# 2021 – 22

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## Department Best Practices – Teaching & Learning

Department of Electrical and Electronics Engineering with the effective functioning of all the faculty members have always tried to impart innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.

Here, students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year apart from the commonly implemented methods like Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, Newspaper readings, repeating difficult topics by topper students, field visits, Industrial visits, pictorial demonstration and many more activities.

It was a clear observation that more the number of sessions conducted with the above-mentioned concepts, better were the results obtained every semester.

Some of the glimpses of these strategies employed by EEE Department are shared in this document:

## Participatory & Experiential learning in Teaching and Evaluation methods

## 2020-21:

In this academic year, the department planned to improve the communication skills of the students and several activities conducted which involves all the students in a right direction towards their goals.

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

## SPARKS CLUB ACTIVITY

## Creative Skills – Activity – 05-02-2020

| | |
|---|---|
| **Date of Event** | **: 05-02-2020** |
| **Venue** | **: LH 34** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: III EEE** |
| **No of Participants** | **: 93** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

This activity organized by SPARKS club was an initiative to polish the inherent creative skills of students where every participant is given an instruction to solve a problem with specified number of steps on the board while the remaining team members had to take the pictorial task forward which enhances the student's vocabulary and creative thinking.

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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

### SPARKS CLUB ACTIVITY

### Communication Skills – Activity – Role Play

| | |
|---|---|
| **Date of Event** | **: 28-01-2020** |
| **Venue** | **: Seminar Hall – 2** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: IV EEE** |
| **No of Participants** | **: 89** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

As a part of our Sparks club activity, today we have conducted two acts (Role Play & Contraptions) in which 3 teams have participated with a test of Spontaneity, Leadership skills and innovative ideas. 18 Students have effectively made use of this activity in front of the remaining 70 odd students. This process was monitored by Mr A KRISHNA NAG, Associate Professor - EEE

As a part of the EEE department activities, Professional connectivity& mode of teaching methods evaluation procedures discussed with the academic team and implementation of the same in the department.

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## CIRCUIT BUILDING

| | |
|---|---|
| **Date of Event** | **: 04-04-2020** |
| **Venue** | **: Electrical Circuits & Measurements Lab** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: II & IV EEE** |
| **No of Participants** | **: 123** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

Under EEE Department SPARKS club, IV Btech EEE students have taken an initiative to train their juniors from II B.Tech EEE to build mini circuits which would enhance their laboratory performing skills. Minor circuits were given to a few batches and the same are to be solved without getting any errors while supply is given to circuit.

Innovative teaching methods explores the students intellectual property with building the concepts visually among the students that which helps them to train their minds towards research and academic excellence.

## During COVID Phase

During this phase though it is tough time to explore the academic excellence, The EEE department took an challenging role to contribute their academic knowledge transfer to their students in virtual mode .

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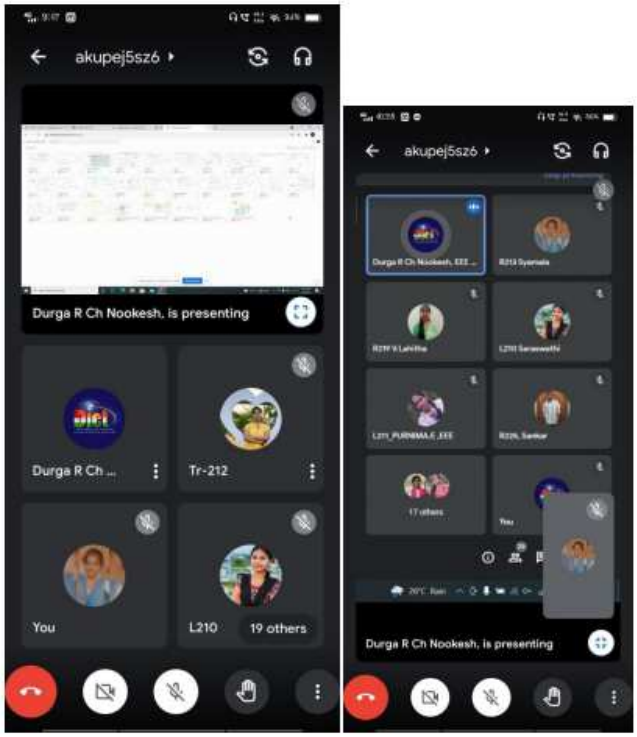
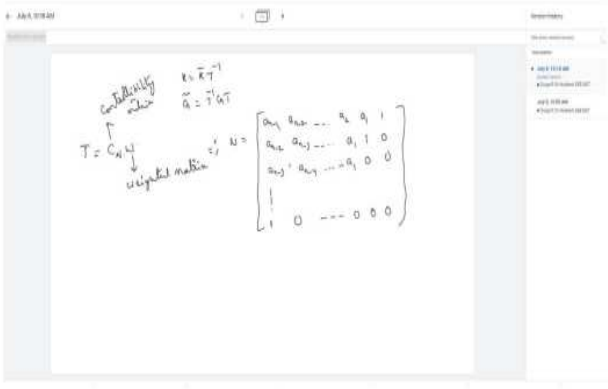
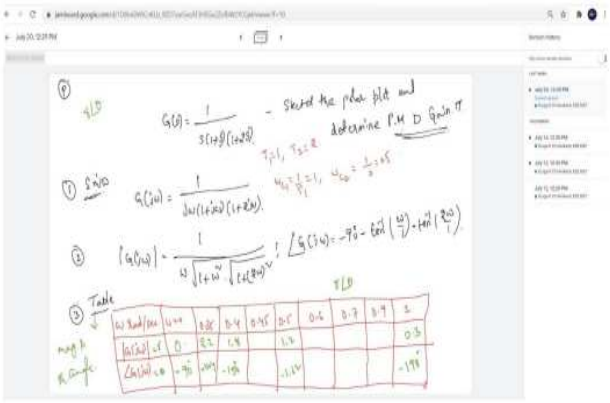




**Jam boards used:**

For DCS

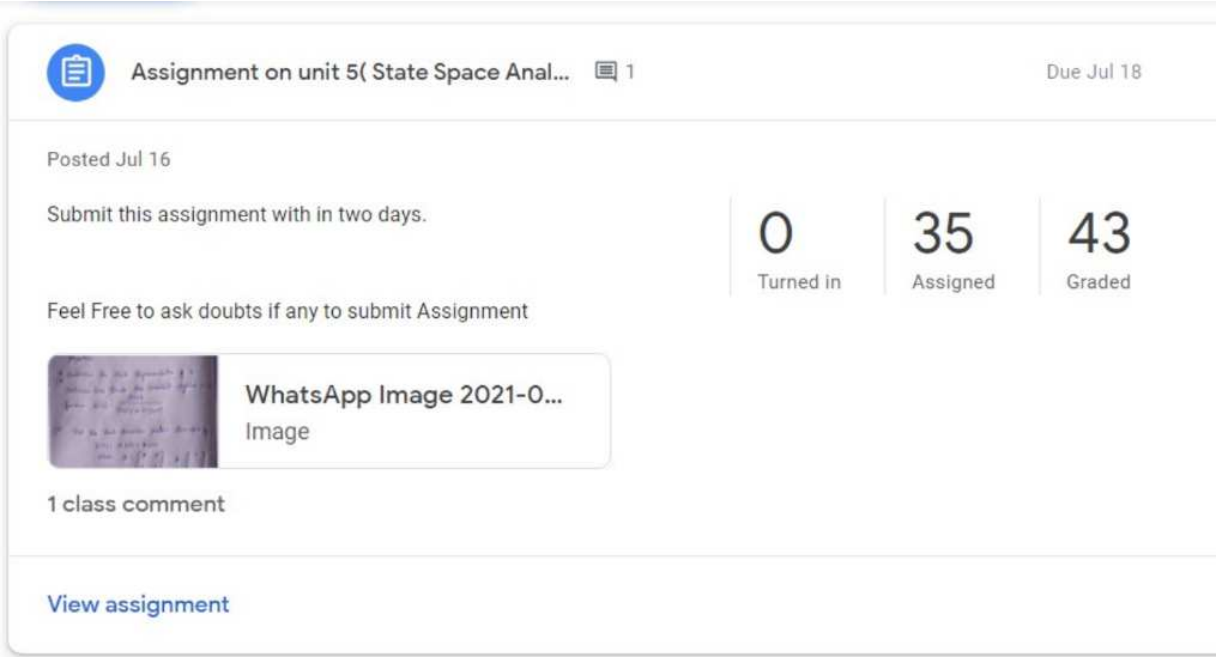
https://jamboard.google.com/d/1O6loGM5CnKLb_9ZD7zarGvcAT3H5Gu2ZofbW2YCGjxI/viewer?f=4

For CS

https://jamboard.google.com/d/1jppUCcclu3ZH5UW5otLO40CQ--onzfOE36TeBQoOlBI/viewer?f=0

For PS-II

https://jamboard.google.com/d/1MErIMgz_9IVgrLwEckA20ywk3jUk4M4j8YOTB9gfkWc/viewer?f=0




**DUTIES PERFORMED DURING COVID 19**

**A. LAKSHMI DURGA, Assistant Professor,**

**EEE October 2020**

## I. Class work Report:

**Subject1: IV Year B.Tech EEE-A (Instrumentation) Strength:45**

| S.No | Date | Class/Yr/Section/Branch | Time | Topic Covered | Present |
|---|---|---|---|---|---|
| 1 | 26-09-2020 | IV B.Tech EEE-A | 2.30PM to 3.10PM | Velocity Measurement | 36/45 |
| 2 | 28-09-2020 | IV B.Tech EEE-A | 11.30AM to 12.20PM | Angular Velocity | 40/45 |
| 3 | 29-09-2020 | IV B.Tech EEE-A | 9.50 AM to 10.40 AM | Accelerometer | 36/45 |
| 4 | 30-09-2020 | IV B.Tech EEE-A | 11.30AM to 12.20PM | Potentiometric Accelerometer | 34/45 |
| 5 | 01-10-2020 | IV B.Tech EEE-A | 9.50 AM to 10.40 AM | Measurement of strain | 34/44 |
| 6 | 03-10-2020 | IV B.Tech EEE-A | 2.30PM to 3.20PM | Measurement of Flow | 36/45 |

**Subject2: IV Year B.Tech EEE-B (Instrumentation) Strength:44**

| S.No | Date | Class/Yr/Section/Branch | Time | Topic Covered | Present |
|---|---|---|---|---|---|
| 1 | 26-09-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Velocity Measurement | 35/44 |
| 2 | 28-09-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Angular Velocity | 35/44 |
| 3 | 29-09-2020 | IV B.Tech EEE-B | 2.30PM to 3.10PM | Accelerometer | 36/45 |
| 4 | 30-09-2020 | IV B.Tech EEE-B | 3.20PM to 4.10PM | Potentiometric Accelerometer | 34/45 |
| 5 | 01-10-2020 | IV B.Tech EEE-B | 11.30AM to 12.20PM | Measurement of strain | 34/44 |
| 6 | 03-10-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Measurement of Flow | 36/45 |

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## 2021-22

## Industrial Visits & Internships:

### Exposure and Field Visit to NSTL-DRDO VIZAG

Students from IV BTech and III BTech EEE were taken to a two-day Open House Expo-2022, organized as a part of National Science Day, at Naval Science and Technological Laboratory, Ramnath Secondary School, located in NSTL campus, on Fri-Sat [25th-26th Feb 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 Defense forces. NSTL-DRDO VIZAG the Naval Science and Technological Laboratory is an Indian Defense laboratory of the Defense 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 Defense forces.

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**EEE Student actively taking part in Project Expo at NSTL – DRDO**

Objective of this visit was to create an environment for exploring innovative technologies used in the ships & submarines and also to nurture and help students in promoting their ideas to next level. It was observed that 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.

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## Internship at [RINL] Steel Plant, Vizag and BHEL, Vizag

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## Students Taking part in the Internship at Steel Plant

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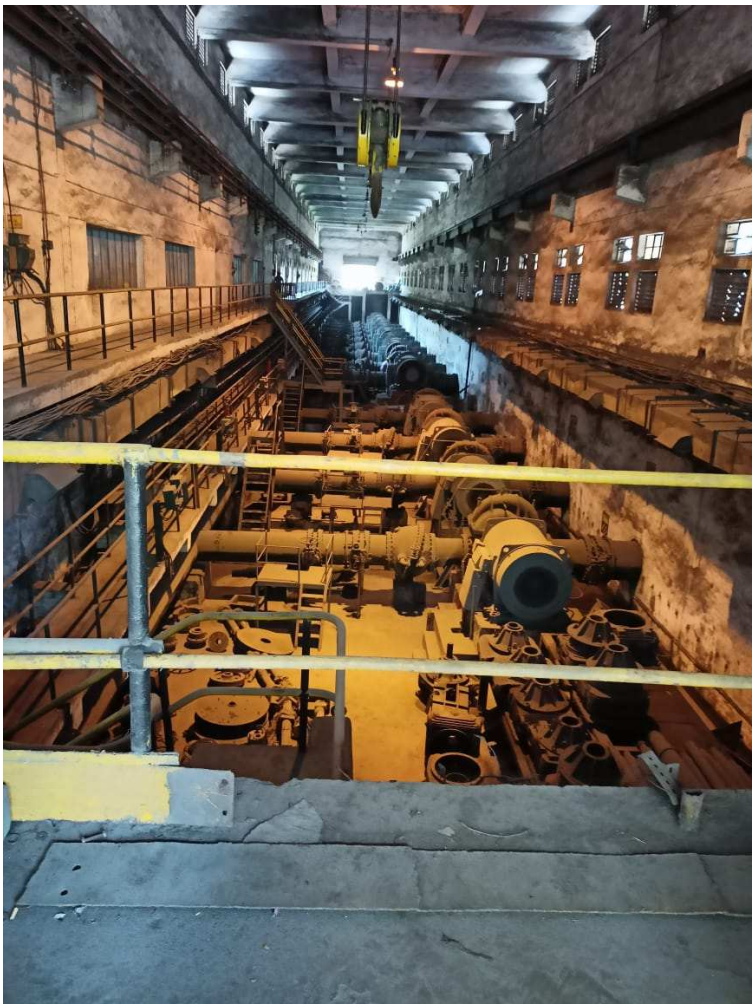

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## Merit Student Sessions:

**Faculty encouraging merit students to clarify conceptual doubts of weaker students**

## Newspaper Reading

**Students reading newspaper articles every day for sharing of knowledge on current affairs**

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## Student Seminars using Power point presentations

## Role Play

Students taking part in role play activity of Interviewer-Interviewee

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## Alumni Interaction

**Alumni Interaction with Final year BTech Students**

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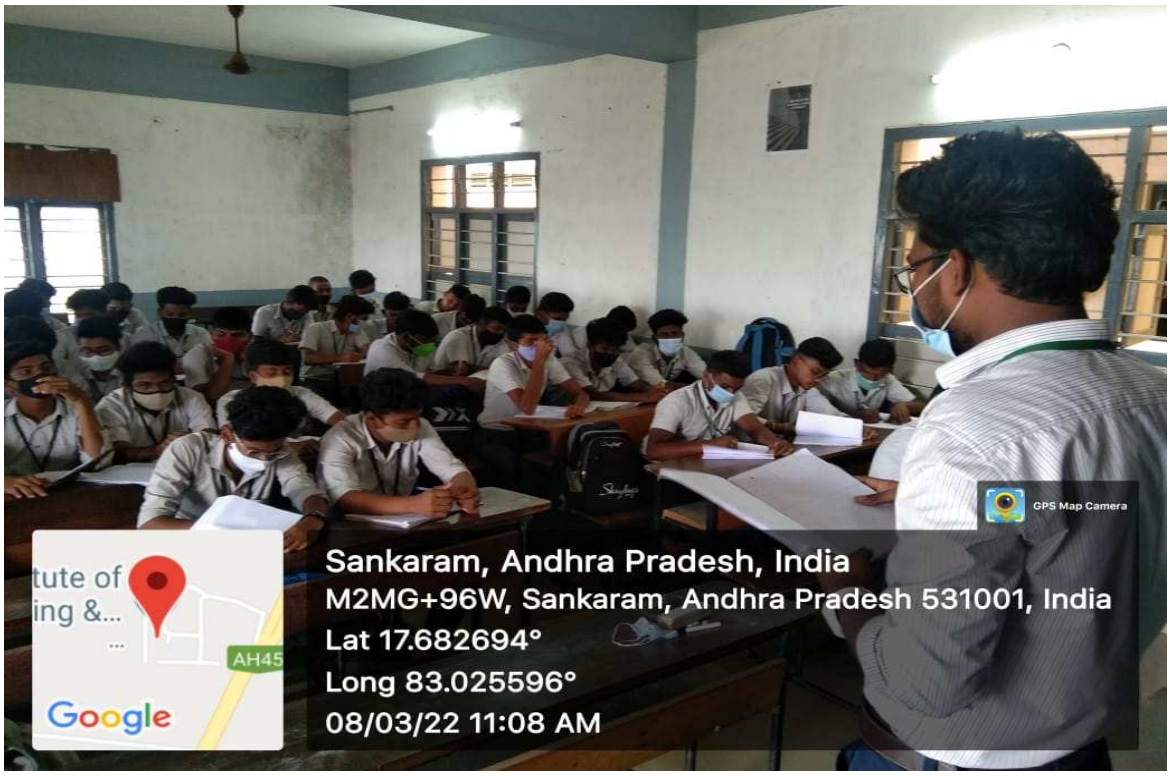
## Technical Narration Activity by Students




## Idea Exchange Contest among students

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## Memory Contest for Student Teams

## Pictorial Explanation of Technical Concepts

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**Group Discussion Activity**

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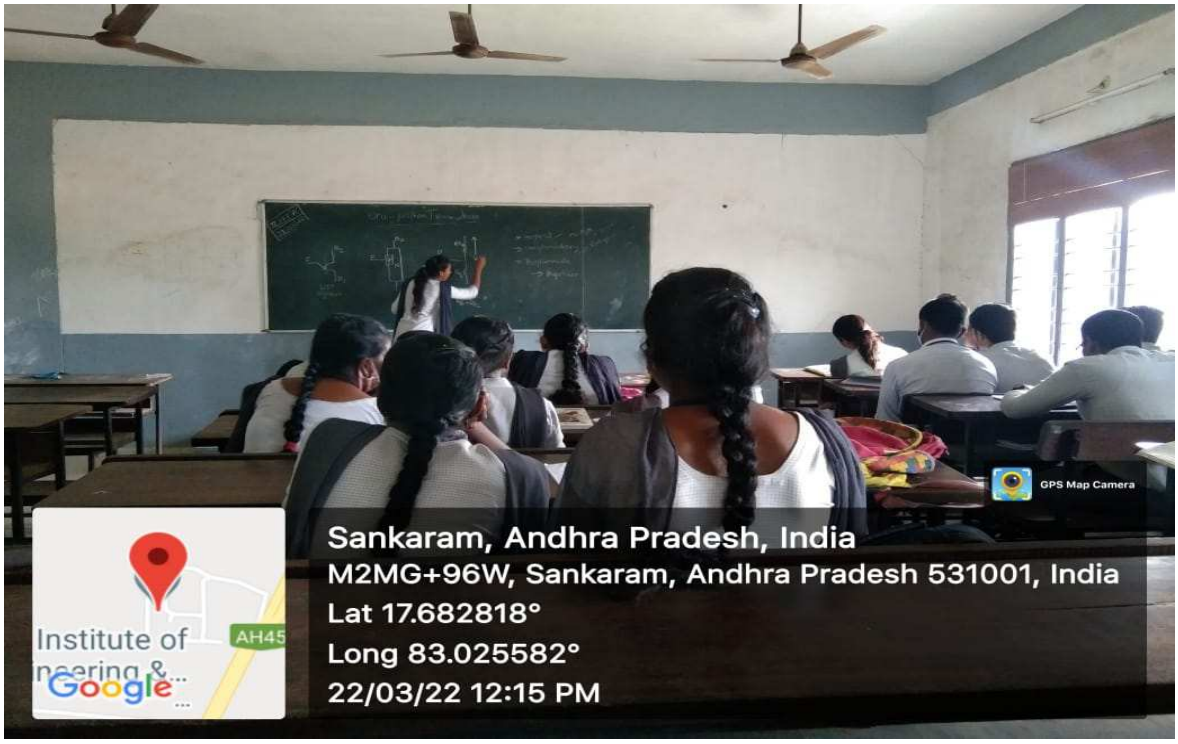
**Student Seminars in class**



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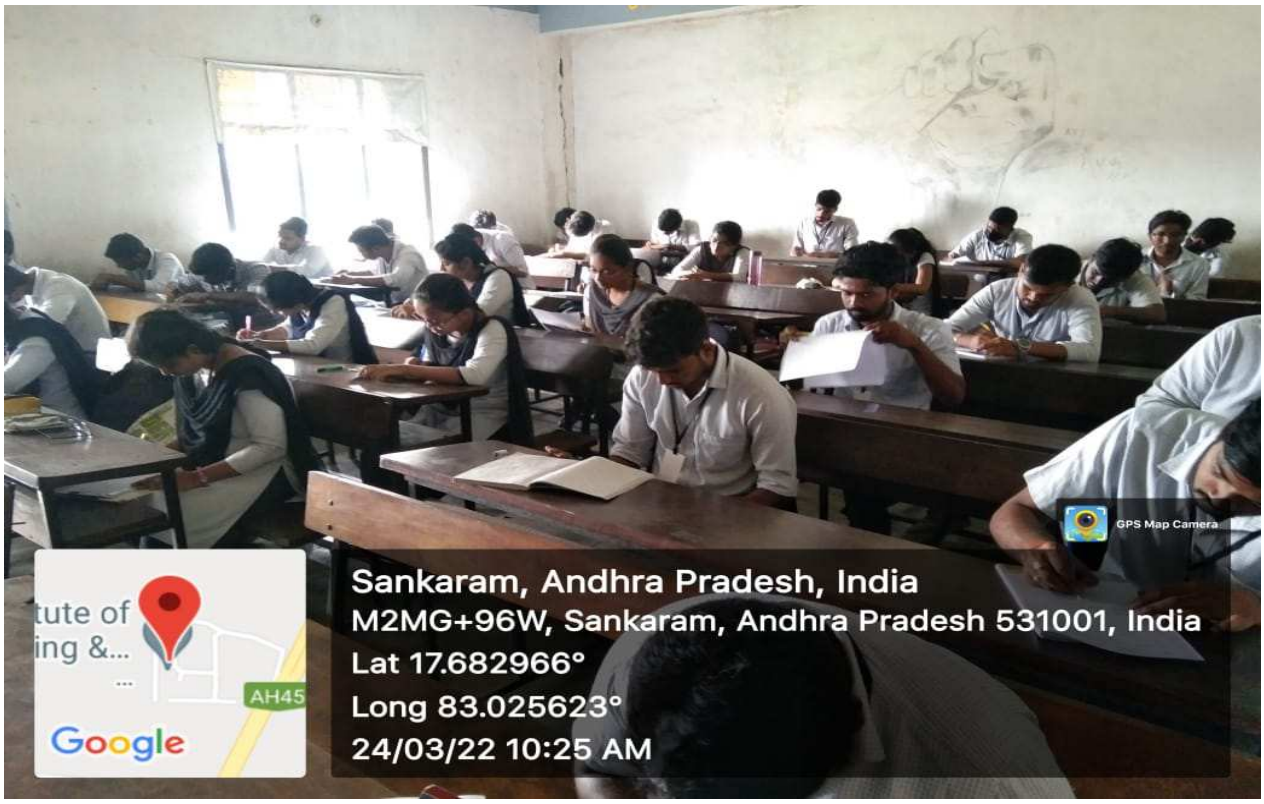


## Technical Essay Writing Competition

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**Extempore & Elocution Activity for Students**

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## Public Speaking Contest among Students

## Faculty using Power Point Presentation for Skilled Sessions

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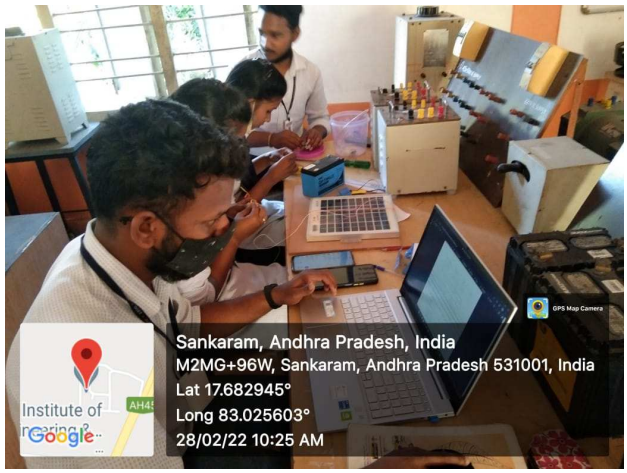
## Experiential & Project Based Learning with practical experimentation



# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.

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

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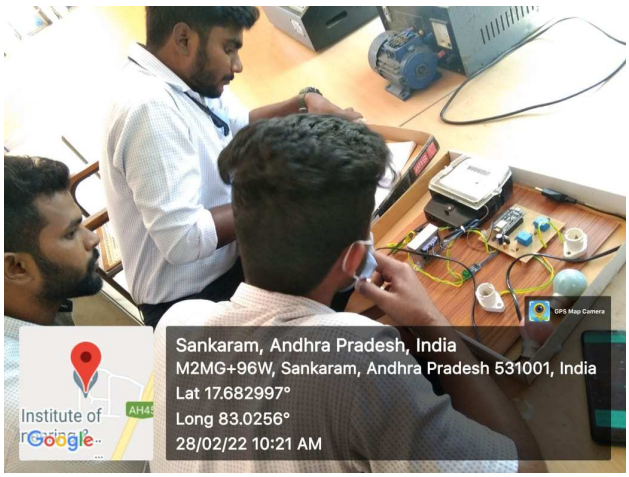

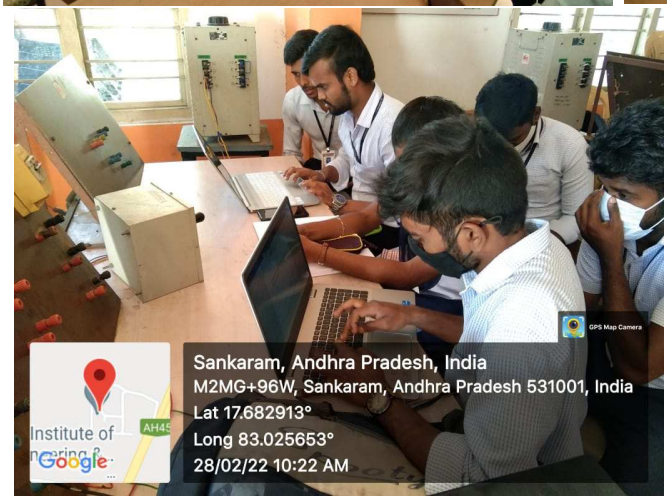

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**Student Participation in Employability Skill Sessions**

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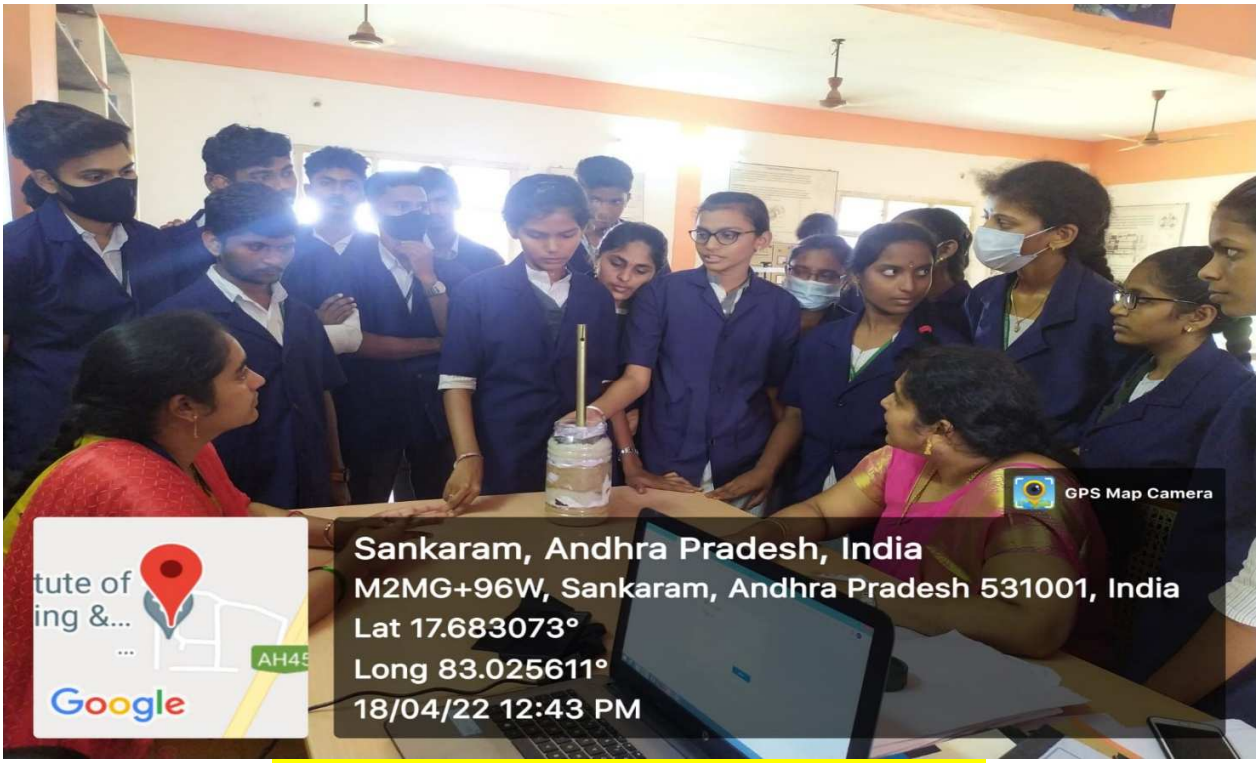
**Hands-on Training to students by faculty**

**Energy Audit Guidelines to Students**




**Practical Explanation of Electrical Safety Concepts**

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## MINI PROJECTS - [Domestic Energy Audit by students]

**Sample Report of IV BTech Student of EEE**

**Date:24-11-2021**
**Student Name:** KARRI MAHESH
**Roll No:** 18U41A0221
**Batch/Year/Class/Sem:** IV B-Tech EEE-A section (4-1 semester)

**Aim:** To conduct **Domestic** Energy Audit & Consolidate the Monthly Electricity Bill pattern.

**Meter Number**: 120966
**Bill Number:** 2020102887
**Present Meter Reading:** 10792 kWh
**Past three months Billing Pattern:**

August 2021 - Rs. 544
September 2021 - Rs.473
October 2021 – Rs. 448

**Metering & Name Plate Details:**

Hence, It is observed from the three months' billing pattern and the table obtained in the audit report that use of energy conservation devices and careful use of electricity will save energy and money spent for meeting the domestic household electricity needs

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## Domestic Energy Audit Report

| Place | S No | Name of the Appliances | Quantity | Company | Year of Manufacture | Ratings |
|---|---|---|---|---|---|---|
| Living Room (Hall) | 1 | Tube light | 1 | Syska LED | 2020 | 18W |
| | 2 | Fan | 1 | Butterfly | 2018 | 70W |
| | 3 | LED lights | 2 | Philips | 2016 | 10W |
| | 4 | LED TV | 1 | MI | 2020 | 75W |
| | 5 | Dish Box | 1 | Willett | 2020 | 12W |
| | 6 | Refrigerator | 1 | Samsung | 2018 | 249W |
| Bed Room | 7 | Tube light | 1 | Osram | 2018 | 36W |
| | 8 | LED light | 2 | Excelite | 2020 | 15W |
| | 9 | Air Conditioner | 1 | Voltas | 2020 | 1750W |
| | 10 | Stabilizer | 1 | Microtek | 2020 | 170v~240v 5% |
| | 11 | Iron box | 1 | Usha | 2019 | 1000W |
| Kitchen | 12 | LED light | 1 | Delp | 2016 | 9W |
| | 13 | Electric cooker | 1 | Sansui | 2019 | 700W |
| | 14 | Induction stove | 1 | Prestige | 2018 | 1200W |
| | 15 | Mixer grinder | 1 | Mexicon | 2019 | 750W |
| Lawn | 16 | Washing Machine | 1 | Intex | 2018 | 520W+190W |
| | 17 | LED lights | 3 | Delp | 2016 | 9W |

**Living Room = 434W Bed Room = 2971W Kitchen = 2659W Lawn = 719W**
**Total = 6783W ~6.783kW**

EASTERN POWER DISTRIBUTION
MPANY OF A.P LTD
PAYMENT RECEIPT
( O R I G I N A L )
25-10-2021 11 48 00
T:13E86281143 RC 13
:002 MUNAGAPAKA
T:20201 ,MUNAGAPAKA
NO:20201 02687
E:KIRRI VENKATA NAGES
AMT(10/21) 473.00
AMT 0.00
AMT 0.00
AMT 0.00
AMT 0.00
AL AMT 473.00
YMENT MODE:CASH
THORISED SIGNATORY

FIXED CHARGES: 10.00
CUSTM CHARGES: 45.00
ED CHARGES : 9.66
S.F. AMOUNT : 0.00
LATE PAYMENT FEE: 0.00
: 0.00
TRUE UP CHG: 0.00
BILL AMT : 544.00
ARREARS : 0.00
NET AMT : 544.00
A.C.D : 0.00
LAST PAID DT :25-OCT-21
LAST PAID AMT: 473.00
DUE DATE :30-11-2021
DISC DATE:15-12-2021
TCSEALNO :
ERO CODE :002
ERO NAME :munagapaka

MONTHLY DEMAND

RECS KASIMKOTA
PAYMENT RECEIPT
( O R I G I N A L )
25-08-2021 11:30:42
T:13E86281011 RC:13
:002 MUNAGAPAKA
T:20201 ,MUNAGAPAKA
NO:20201 02687
E:KIRRI VENKATA NAGES
AMT(8/21): 443.00
AMT 0.00
AMT 0.00
AMT 0.00
AMT 0.00
AL AMT 443.00
YMENT MODE:CASH

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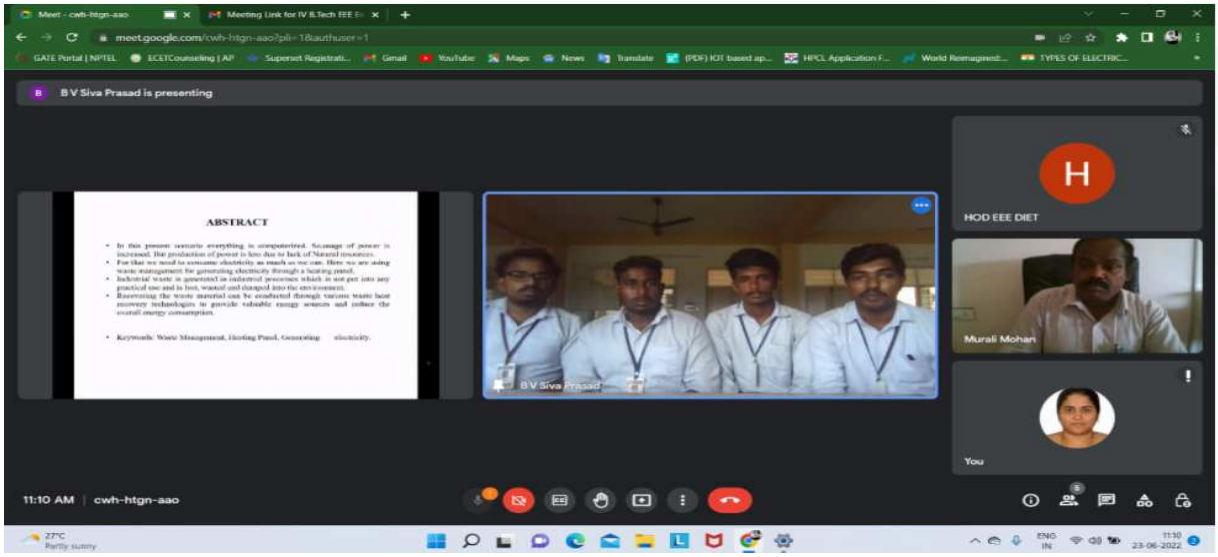
## Internal & External project reviews for IV EEE Students



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## Awareness session Drive on Energy Savings

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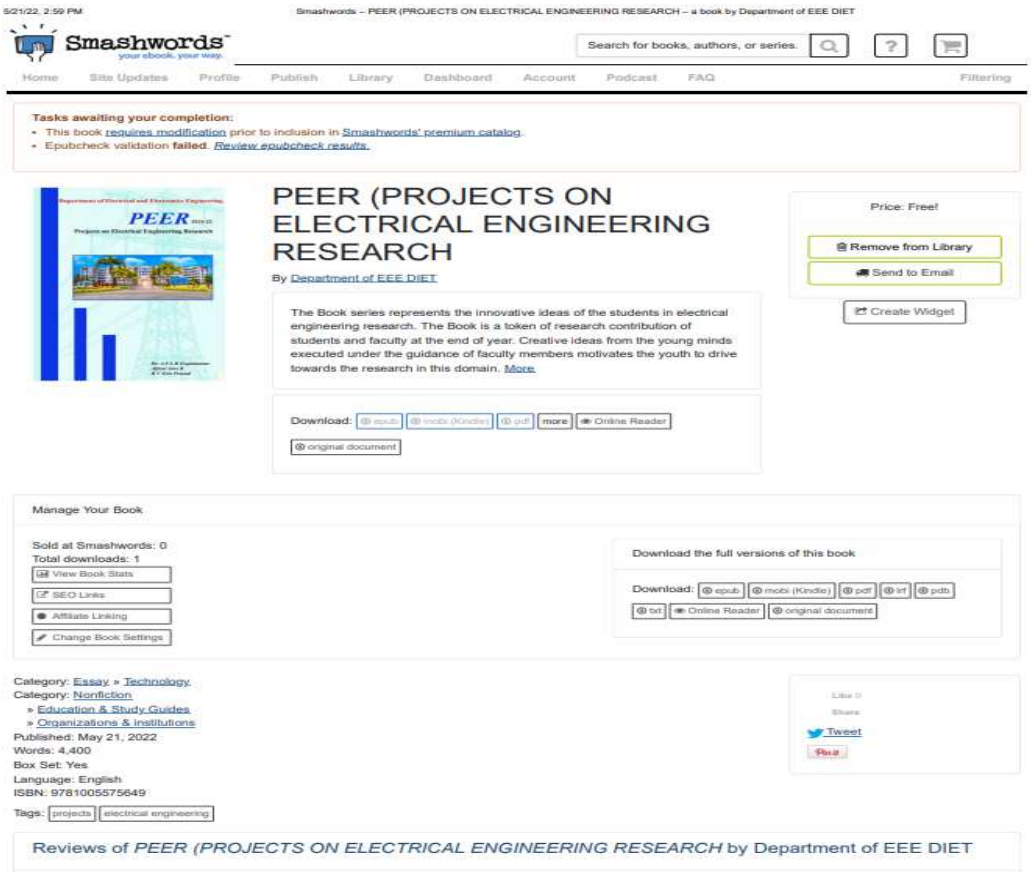
## Research Contribution

In view of recent trends in experiential & participatory learning towards research, Department of EEE organized sufficient programs through functional Committees and E-spark club. As a result the students of EEE published their research work in reputed journals and conferences. The blended mode of education explored the efficiency of the students in all aspects particularly in research. As a token of continuous efforts from faculty& students The department released a Book series named **PEER (Projects on Electrical Engineering Projects-edition 2022) which was published on May 21,2022 with ISBN No; 9781005575649.**



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PEER –Edition 2022 Release on 20 May 2022

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## Advanced Teaching & Learning Strategy

As per the academic committee resolutions, The institute has taken an initiative to upgrade the teaching and learning process to next level by implementation of Teachers diary with continuous STLP/STLRP checking to improve the quality of education. We will assess the Student with the following steps.

**Step 1:** After two weeks of semester, take an assessment test -1 as per the instructor choice of assessment like assignment, quizzes, Role play, presentation etc.

**Step 2:** The assessment done based on the 10 points:

1. **Student Interaction/Learning & Problem Solving Skills: 3 M**
2. **Test 1: 3M**
3. **Assignment: 2M**
4. **Student Attitude: 2M**

**Step 3:** Based on the marks, initial analysis done on the student understanding level.

**Step 4:** The same assessment done before & after Mid Internal examinations to identify the students for slow learner /fast learner programs.

**Step 5:** Action Plan for slow learners and fast learners implemented such as remedial /Gate/CRT classes.

**Step 6:** Allocation of revision schedule for examination preparation**.**

**Step 7:** Conduction of Backlog Classes for students to boost up the students to be benefited.

This strategy implemented for 2021-22, The Sample files attached here for reference:

Teacher's Dairy DCS- Slow Learners& MID Assesment - Google Sheets
https://classroom.google.com/c/NDc4MTc5MDY1MjAz?cjc=yqqnrbq

Head of the Department
Electrical & Electronics Engg.
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002
24/6/22

PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE - 531 002

HoD Principal

## 2.3.1 : EXPERIENTIAL AND PARTICIPATORY LEARNING

### Field trips

Dadi Institute of Engineering & Technology
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Visakhapatnam-531002, Andhra Pradesh, diet.edu.in

**Department of Electronics &Communication Engineering**

# "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
Dr.P.Poorna Priya , Associate Professor, HOD-ECE.
Coordinator : Mrs.Archana B. T., Assistant Professor, ECE Dept.
Date : 25 February, 2022

Department of Electronics and Communication Engineering, Dadi Institute of Engineering and Technology organized a visit to Naval Science & Technological Laboratory (NSTL), Visakhapatnam in view of science day celebrations. The visit was scheduled on 25th February 2022.Electronics & Communication Engineering students from final year and third year joined the visit. Around 10.45am we reached NSTL, initially students were introduced to various products developed by NSTL through a video presentation. This session gave an outline about Torpedo's(9E18), Torpedo Advanced Light (TAL), anti-submarine torpedo Varunastra, Advanced Torpedo Defence System 'Maareech', Decoys (Expandable and Mobile), Mines (Ground, Moored, and Multi-influence). There after students were directed to Ramnath Secondary school, where exhibition of NSTL products and the weapons they developed for Indian Navy were displayed.

**Objective of the Event**

- To provide a technical exposure to students about advancements in technology
- To provide awareness about the quality of research happening in defence area and the future career prospects.

**Overview**

Mr.MahaTeja Ganesh (19U41A0413) and Mr.P.Durga Prasad (19U41A0427) of III B.Tech ECE were selected for exhibiting their project at NSTL, as part of the National Science Day Celebrations. They presented their project Automatic Engine Locking System through Alcohol Detection which meets the theme "Innovation for Social Benefits". Students had a chance to interact with scientist like Mr.Shyju John and Ms.Pushpa who guided our students in understanding the concepts of:

- **Torpedo Advanced Light(TAL)**- submarine weapon that can be launched from ship and aircraft
- **Advanced Light Weight Torpedo(ALWT)**-developed by NSTL which can be launched from air.This torpedo can sustain its efficiency in particular manoeuvrability and structural integrity while traveling from air to water
- **Mareech**- It is an Advanced Torpedo Defence System (ATDS) which is capable of providing a reliable defence mechanism against a possible torpedo attack by both detection and counter measure capability
- **Varunastra**- heavy weight electrically propelled anti-submarine torpedo capable of targeting in deep and shallow waters in an intense counter measure environment
- **Autonomous Underwater Vehicle(AUV)**-AUV are designed for condition monitoring of underwater assets, track and identify target and destroy enemy

Faculty coordinator Mrs.Archana B.T interacted with Mr.Rajasekhar, Regional mentor for ATAL Tinkering Labs. The motto behind establishing ATAL Tinkering Labs is to bridge the gap between schools and professional Institutions. The objective of ATAL Tinkering Labs is to foster curiosity, creativity, and imagination in young minds; and inculcate skills such as design mind set, computational thinking, adaptive learning, physical computing etc.

| LIST OF STUDENTS FOR NSTL VISIT | | |
|---|---|---|
| **S.NO** | **ROLL NUMBER** | **NAME OF THE STUDENT** |
| **1** | 19U41A0404 | B SREE SOWMYA |
| 2 | 19U41A0412 | KOSURU GAYATHRI DEVI |
| 3 | 19U41A0415 | MALLA MOHANA PRATHYUSHA |
| **4** | 19U41A0420 | PAPPULA JYOSHNA |
| 5 | 19U41A0423 | PENTAKOTA LIKITH |
| **6** | 19U41A0425 | PILAKA UGRA NARASIMHA BHARATH |
| **7** | 19U41A0428 | ULLI KOMALI |
| **8** | 19U41A0430 | VOODA MEGHANA |
| 9 | 20U45A0402 | BODDAPU KUMAR |
| **10** | 20U45A0404 | DEVADULA SRI SAI SAMPATH |
| 11 | 20U45A0411 | MADEM VENKATA SAI SNEHIT |
| 12 | 20U45A0413 | NAGAM VIDHYA SREE |
| **13** | 20U45A0414 | NAKKA VIJAYA |
| 14 | 20U45A0417 | REGIDI SAMPATH KUMAR |
| 15 | 20U45A0421 | UDDAGIRI USHODAYA |

| | | |
|---|---|---|
| **16** | 20U45A0424 | SRIRANGAM SRILEKHA |
| 17 | 18U41A0407 | BOTTA BALAJI |
| 18 | 18U41A0413 | SANDRANA ROOPA |
| **19** | 18U41A0403 | V BINDU |
| 20 | 18U41A0455 | MANDAPATI PAVITHRA |
| 21 | 18U41A0458 | ADARI BHARGAVI |
| **22** | 19U45A0419 | KARRI JAYASRI |
| 23 | 19U45A0418 | KANTAPUREDDI LOKESH |
| 24 | 19U45A0428 | NEMALA KUSUMA PRIYA |
| **25** | 19U45A0434 | SANAPATI JANAKI |
| 26 | 19U45A0431 | PILLA REVATHI |
| 27 | 19U45A0429 | P YAMINI |
| **28** | 19U45A0404 | B SRAVANI |

## Summary

Students thoroughly enjoyed and utilised the opportunity to interact with NSTL staff. They enthusiastically mingled with other college students, to get an idea about the technology they used in developing their project.ECE department students Mr.M.MahaTeja Ganesh and Mr.P.Durga Prasad were appreciated by NSTL scientist and advised them to extend their project to develop as an industry ready product. This exposure helped the ECE students in relating topics like Radar Systems, SONAR, Oscillators, Signal Processing, Microcontrollers etc. which was part of their curriculum to real life scenarios. Students expressed their gratitude towards Principal Dr.ChallaNarasimham, R&D Convenor Dr.K.Sujatha, Head of the Department Dr.P Poorna Priya and the management for providing such an opportunity.

# Dadi Institute of Engineering & Technology

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## Exposure & Field Visit to NSTL -DRDO, Visakhapatnam

organized by

**Department of Electronics & Communication Engineering**

**Date: 25 February 2022**

| Dr.P Poorna Priya | Dr K. Sujatha | Dr. Challa Narasimham | Sri Dadi Ratnakar |
|---|---|---|---|
| Convenor | R&D Convenor | Principal | Chairman |

**Poster for Exposure and Field Visit to NSTL-DRDO VIZAG**

Students and Coordinators at Dadi Institute of Engineering and Technology

**NSTL visit by third and final year ECE students**

ECE students MahaTeja Ganesh and P.Durga Prasad presenting project titled Automatic Engine Locking System through Alcohol Detection

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Visakhapatnam-531002, Andhra Pradesh, diet.edu.in
INSTITUTION'S INNOVATION COUNCIL

# 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

**LIST OF STUDENTS VISITED**

| SN | 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

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# DEPARTMENT OF Civil Engineering "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.N.Ramu, Assistant Professor, HOD-CE.
Coordinator : Mrs.B.Ramya, Assistant Professor, Civil Dept.
Date : 26 February, 2022

Department of Civil Engineering, 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:

- Field visits are the way of enhancing classroom learning by making real world connections. These types of trips expose students to different places and eras.
- It creates awareness to students about the different innovative technologies.

Outcomes:

- Very good opportunity for students to interact with Experts.
- Develops confidence and helps to enhance their interpersonal skills.

Fig.1: Students accompanied by coordinators at DIET Campus.

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

Fig 9: Exhibiting NSTL Products

## LIST OF STUDENTS VISITED

| S NO | Roll No | Student Name | Year/Section |
|---|---|---|---|
| 1 | 19U41A0101 | KALLA ANJALI | III BTECH |
| 2 | 19U41A0103 | SURISETTY JYOTHSNA | III BTECH |
| 3 | 20U45A0101 | ADARI BARGAVA SAI KRISHNA | III BTECH |
| 4 | 20U45A0102 | ADARI GANESH | III BTECH |
| 5 | 20U45A0104 | BUDDHA VASANTHI | III BTECH |
| 6 | 20U45A0105 | DANDINA LALITHA | III BTECH |
| 7 | 20U45A0106 | GANDEPALLI GANESH | III BTECH |
| 8 | 20U45A0107 | GEDDAM SRAVANI JYOTHI | III BTECH |
| 9 | 20U45A0108 | KODAMANCHILI DEVI | III BTECH |
| 10 | 20U45A0109 | KOMARA LAKSHMANA RAO | III BTECH |
| 11 | 20U45A0110 | KOMARA SANKARA RAO | III BTECH |
| 12 | 20U45A0111 | KOVELA VARALAKSHMI | III BTECH |
| 13 | 20U45A0112 | LAKKOJI SRIDIVYA | III BTECH |
| 14 | 20U45A0113 | LALAM DORA BABU | III BTECH |
| 15 | 20U45A0114 | MAKIREDDI LOVAPRASAD | III BTECH |
| 16 | 20U45A0115 | MATHA KUSUMA | III BTECH |
| 17 | 20U45A0116 | PAILA VINITHADEVI | III BTECH |
| 18 | 20U45A0117 | PATNAIKUNI ESWAR SAI | III BTECH |
| 19 | 20U45A0118 | PAYALA CHANDRA KIRAN | III BTECH |
| 20 | 20U45A0119 | PEELA VARAHA GANESH | III BTECH |

Fig 10: III Btech Civil Students visit to NSTL.

# Department OF Cse "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
Mrs.K.Komali,Assistant Professor,HOD-CSE.
Coordinator :Mr.V.Vidya Sagar,AssistantProfessor,Cse Dept.
Date: 26 February, 2022

Department of Cse, Dadi Institute of Engineering & Technology hassuccessfully 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 inVisakhapatnam.Its main function is there search 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:

- Field visits are the way of enhancing classroom learning by making real world connections.These types of trips expose students to different places and eras.
- It creates awarenesss to students about the different innovative technologies.

**Outcomes:**

- Very good opportunity forstudents to interact with Experts.
- Develops confidence and helps to enhance their interpersonal skills.

Fig.1:Students accompanied by coordinators at DIET Campus.

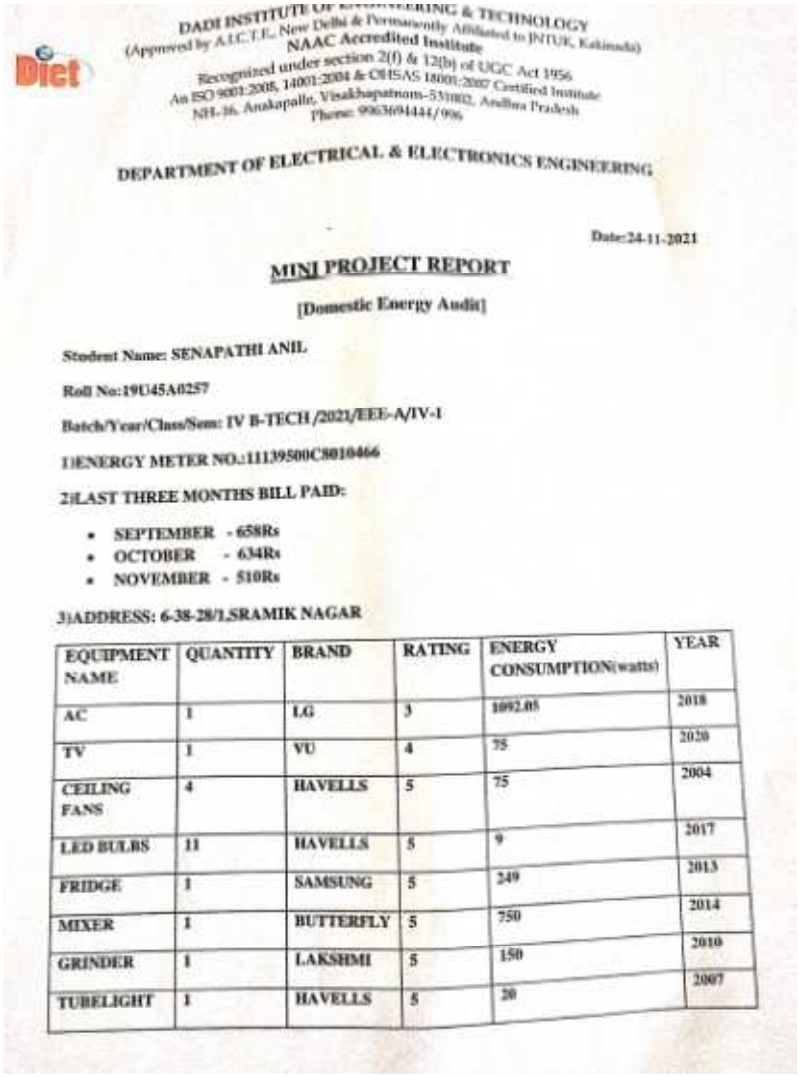
Fig.2:Entrance of Naval Science and Technological laboratory-DRDO Vizag

LIST OF STUDENTS VISITED

| SNO | RollNo | StudentName | Year/Section |
|---|---|---|---|
| 1 | 19U41A0506 | BODDEDA REECHA | IIIBTECH |
| 2 | 19U41A0509 | CHAVA SAI RESHMA | IIIBTECH |
| 3 | 19U41A0521 | GUDIPATI SRILASYA | IIIBTECH |
| 4 | 19U41A0524 | JYOTHULA PREETHI PRASUNA | IIIBTECH |
| 5 | 19U41A0529 | KANDREGULA YOGITHA | IIIBTECH |
| 6 | 19U41A0531 | KARANAM SOMESWARI | IIIBTECH |
| 7 | 19U41A0535 | KATTAMURI SATYAVATHI | IIIBTECH |
| 8 | 19U41A0543 | KONATHALA LOHITHA | IIIBTECH |
| 9 | 19U41A0545 | KOPPAKA SRI GANESH | IIIBTECH |
| 10 | 19U41A0548 | MADAGALA NAVEEN | IIIBTECH |
| 11 | 19U41A0552 | VISWANADHAPALLI SHALEM | IIIBTECH |
| 12 | 19U41A0553 | MUDDA SAI CHANDRA | IIIBTECH |
| 13 | 19U41A0558 | NEELAPU LIVI ADITYA REDDY | IIIBTECH |
| 14 | 19U41A0559 | SARIDI SOWMYA | IIIBTECH |
| 15 | 19U41A0561 | A.HEYSHNIKA | IIIBTECH |
| 16 | 19U41A0562 | D.SAI ROSHINI | IIIBTECH |
| 17 | 19U41A0569 | P.HYNDHAVI | IIIBTECH |
| 18 | 19U41A0578 | S.FATHIMA | IIIBTECH |
| 19 | 19U41A0579 | S.REKHA | IIIBTECH |
| 20 | 19U41A0581 | S.DINESH | IIIBTECH |
| 21 | 19U41A0582 | TABASSUM | IIIBTECH |
| 22 | 19U41A0587 | T.SAI SUREKHA | IIIBTECH |
| 23 | 19U41A0590 | V.JASWANTH | IIIBTECH |
| 24 | 19U41A0591 | V.SNEHA | IIIBTECH |
| 25 | 19U41A0593 | V.KALYANI | IIIBTECH |
| 26 | 19U41A0599 | Y.MANIKANTA | IIIBTECH |
| 27 | 19U41A05A0 | Y.JAGADEESH | IIIBTECH |
| 28 | 19U41A05A7 | M.MOUNIKA | IIIBTECH |
| 29 | 19U41A05B0 | V.GAYATHRI | IIIBTECH |
| 30 | 19U41A0582 | TABASSUM | IIIBTECH |

Fig10:III Btech Cse Students visit to NSTL.

# MINIPROJECTS



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Phone: 9963694444/996

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:24-11-2021

## MINI PROJECT REPORT

[Domestic Energy Audit]

Student Name: SENAPATHI ANIL

Roll No:19U45A0257

Batch/Year/Class/Sem: IV B-TECH /2021/EEE-A/IV-1

1)ENERGY METER NO.:11139500C8010466

2)LAST THREE MONTHS BILL PAID:

- SEPTEMBER - 658Rs
- OCTOBER - 634Rs
- NOVEMBER - 510Rs

3)ADDRESS: 6-38-28/1,SRAMIK NAGAR

| EQUIPMENT NAME | QUANTITY | BRAND | RATING | ENERGY CONSUMPTION(watts) | YEAR |
|---|---|---|---|---|---|
| AC | 1 | LG | 3 | 1092.05 | 2018 |
| TV | 1 | VU | 4 | 75 | 2020 |
| CEILING FANS | 4 | HAVELLS | 5 | 75 | 2004 |
| LED BULBS | 11 | HAVELLS | 5 | 9 | 2017 |
| FRIDGE | 1 | SAMSUNG | 5 | 249 | 2013 |
| MIXER | 1 | BUTTERFLY | 5 | 750 | 2014 |
| GRINDER | 1 | LAKSHMI | 5 | 150 | 2010 |
| TUBELIGHT | 1 | HAVELLS | 5 | 20 | 2007 |

From the last three months electricity bills I have observed that

- There is a decrease in the units and the amount.
- When the energy consumption is more than 200unit.
- Tariff will be increased.
- Tariff will based on units consumption.

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# MINI PROJECT REPORT

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
## [Domestic Energy Audit]

**Student Name: APPANA SAI SASI KUMAR** **Roll No: 19U45A0202**

**Batch/Year/Class/Sem: IV B-TECH /2023/EEE-A/IV-I**

**INTRODUCTION:**

**An energy audit is an inspection survey and an analysis of energy flows for energy conservation in a building. It may include a process or system to reduce the amount of energy input into the system without negatively affecting the output. In commercial and industrial real estate, an energy audit is the first step in identifying opportunities to reduce energy expense and carbon footprint.**

**What is Domestic energy audit.....?**

**A home energy audit is a service where the energy efficiency of a house is evaluated by a person using professional equipment (such as blower doors and infrared cameras), with the aim to suggest the best ways to improve energy efficiency in heating and cooling the house.**

**An energy audit of a home may involve recording various characteristics of the building envelope including the walls, ceilings, floors, doors, windows, and skylights.**

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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 24/11/2021

DOMESTIC AUDIT

| Equipment name (No.) | Watts consumed | Name of company | Manufacturing date | Rating (Star) | Average usage (Hrs) |
|---|---|---|---|---|---|
| Ceiling fans | 75 w | Haveels | 12/05/2015 | 5 * | 9 HRS |
| Table fan | 28.5w | Haveels | 04/12/2004 | 5 * | 2 HRS |
| CFL Bulbs | 40w | Cisco | 08/5/2009 | 5 * | 8HRS |
| Led Bulbs | 8.5w | crompton | 03/12/2019 | 5* | 4 HRS |
| Filament lamps | 50w | crompton | 12/06/2019 | 5 * | 2 HRS |
| Fridge | 275w | L.G | 14/07/2021 | 4* | 20 HRS |
| TV | 160w | M.I | 20/09/2020 | 5 * | 10HRS |
| Chimney | 180w | Butter fly | 25/06/2021 | 3* | 6 HRS |
| Mixer | 750w | Ganga | 25/09/2012 | 3 * | 2 HRS |
| Grinder | 150w | Butter fly | 22/04/2015 | 5* | 2 HRS |
| Heater | 60w | Ganga | 25/06/2021 | 3 * | 1 HR |
| Washing machine | 2100w | L.G | 23/10/2020 | 3* | 1 HR |
| 3-phase motor | 12975w | Crompton | 25/02/2016 | 5* | 2 HRS |
| A.C | 5200w | Lloyd | 24/02/2015 | 3 * | 3 HRS |
| Laptop | 60 w | H.P | 25/06/2020 | 5* | 1 HRS |
| Serial lights | 15 w | led | 29/09/2021 | 2* | 0.1 HR |
| Trimmers | 2.5 w | Philips | 21/08/2019 | 5* | 0.5 HRS |

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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**MINI PROJECT REPORT**

**[Domestic Energy Audit]**

**Date:**24-11-2021

**Student Name:** KARRI MAHESH

**Roll No:**18U41A0221

**Batch/Year/Class/Sem:** IV B-Tech EEE-A section (4-1 semester)

**Aim:** Energy Audit on Home Appliances and Consolidate previous months Current Bills.

**Meter Number:** 120966

**Bill Number:** 2020102887

**Present Meter Reading:** 10792 kWh

**Past three months Billing amount:**544,473,448.

# Domestic Energy Audit Report

| Place | S No | Name of the Appliances | Quantity | Company | Year of Manufacture | Ratings |
|---|---|---|---|---|---|---|
| Living Room (Hall) | 1 | Tube light | 1 | Syska LED | 2020 | 18W |
| | 2 | Fan | 1 | Butterfly | 2018 | 70W |
| | 3 | LED lights | 2 | Philips | 2016 | 10W |
| | 4 | LED TV | 1 | MI | 2020 | 75W |
| | 5 | Dish Box | 1 | Willett | 2020 | 12W |
| | 6 | Refrigerator | 1 | Samsung | 2018 | 240W |
| Bed Room | 7 | Tube light | 1 | Osram | 2018 | 36W |
| | 8 | LED light | 2 | Excelite | 2020 | 15W |
| | 9 | Air Conditioner | 1 | Voltas | 2020 | 1750W |
| | 10 | Stabilizer | 1 | Microtek | 2020 | 170v-240v 5% |
| | 11 | Iron box | 1 | Usha | 2019 | 1000W |
| Kitchen | 12 | LED light | 1 | Delp | 2016 | 9W |
| | 13 | Electric cooker | 1 | Sansui | 2019 | 700W |
| | 14 | Induction stove | 1 | Prestige | 2018 | 1200W |
| | 15 | Mixer grinder | 1 | Mexicon | 2019 | 750W |
| Lawn | 16 | Washing Machine | 1 | Intex | 2018 | 520W+190W |
| | 17 | LED lights | 3 | Delp | 2018 | 9W |

Living Room = 434W

Bed Room = 2971W

Kitchen = 2659W

Lawn = 719W

**Total = 6783W =6.783kW**

**Overview:**

After Considering all past three Electric bills which were taken in the month of October, September and June have constant energy consumption rate. Using quality Equipments leads this constant Power Consumption.

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:10-12-2021.

# MINI PROJECT REPORT

## [Domestic Energy Audit]

Student Name : Bheemisetty Sai Praveen.
Batch : 2020-2023
Year : 3rd year
Sem : 1st sem
Rollno:20U45A0207.

Energy Meter Number : 11132200GW022986.

Electric Bill Address : 9-6-69/1,High school Road, New Gajuwaka,
Visakhapatnam-530026.

Number Of Electrical Appliances At Home : 14 NOs

Last Three Months Electrical Bills:

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## LIST OF APPLIANCES:-

| SI.NO. | Name Of The Appliances | Company | Year of Manufacturing | Volts(or) Rating | quantity |
|---|---|---|---|---|---|
| 1 | Fan | Bajaj | 2018 | 40W | 05 |
| 2 | Led Light | Bajaj | 2016 | 9W | 06 |
| 3 | Led Tv | Fox sky | 2020 | 30W | 01 |
| 4 | Led Tv | Toshiba | 2017 | 30W | 01 |
| 5 | Refrigerator | LG | 2016 | | 01 |
| 6 | Air conditioner | Samsung | 2011 | 1690W | 01 |
| 7 | Air conditioner | DaiKin | 2018 | 1690W | 01 |
| 8 | Mixer | Bajaj | 2019 | 800W | 01 |
| 9 | Grinder | Sri Nandhi | 2019 | 125W | 01 |
| 10 | Laptop | Dell | 2020 | 65W | 01 |
| 11 | Greaser | Bajaj | 2018 | 1500W | 01 |
| 12 | Water filter | Kent | 2019 | 60W | 01 |
| 13 | Iron box | Bajaj | 2017 | 180W | 01 |
| 14 | Washing machine | LG | 2017 | 2800W | 01 |

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## NAME PLATE DETAILS OF APPLICATIONS:-

Average watts used from last three months:256W

Amount paid for each month:-

September:-1277 Rs.

October:- 1144 Rs.

November:-554 Rs.

## CONCLUSION:

By doing this Electrical audit i observed that the bill is frequently decreasing. In the month of September the Electrical bill is high due to usage of high loads and in the month of October slightly the amount of bill is decreased due to decreasing two or more loads and finally in the month of November the half amount of the bill is decreased due to using low loads . By observing this audit every month we should check and use the loads by doing this we can decrease the amount of bill and save the electricity.

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 23-11-2021
MINI PROJECT REPORT
[Domestic Energy Audit]
Student Name: SOMIREDDY VARAPRASAD Roll No: 19U45A0261
Batch/Year/Class/Sem: 2019-22/4th/EEE A/4-1

**INTRODUCTION:**

An energy audit is an inspection survey and an analysis of energy flows for energy conservation in a building. It may include a process or system to reduce the amount of energy input into the system without negatively affecting the output. In commercial and industrial real estate, an energy audit is the first step in identifying opportunities to reduce energy expense and carbon footprint.

**PRINCIPLE:**

When the object of study is an occupied building then reducing energy consumption while maintaining or improving human comfort, health and safety are of primary concern. Beyond simply identifying the sources of energy use, an energy audit seeks to prioritize the energy uses according to the greatest to least cost-effective opportunities for energy savings.

What is Domestic energy audit.....?

A home energy audit is a service where the energy efficiency of a house is evaluated by a person using professional equipment (such as blower doors and infrared cameras), with the aim to suggest the best ways to improve energy efficiency in heating and cooling the house.

An energy audit of a home may involve recording various characteristics of the building envelope including the walls, ceilings, floors, doors, windows, and skylights. For each of these components the area and resistance to heat flow (R-value) is measured or estimated. The leakage rate or infiltration of air through the building envelope is of concern, both of which are strongly affected by window construction and quality of door seals such as weather stripping. The goal of this exercise is to quantify the building's overall thermal performance. The audit may also assess the efficiency, physical condition, and programming of mechanical systems such as the heating, ventilation, air conditioning equipment, and thermostat.

A home energy audit is often used to identify cost effective ways to improve the comfort and efficiency of buildings. In addition, homes may qualify for energy efficiency grants from central government.

| S. No | Equipment name | Manufacture Year | Type | Number of Equipments | Power Consumption in Watts | Total power consumption |
|---|---|---|---|---|---|---|
| 1. | Tube light-Phillips | 2016 | AC | 1 | 40 watts | 40 |
| 2. | Havells LED Light Batten | 2020 | AC | 1 | 20 watts | 20 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3. | Usha fan Crompton fan | 1993, 2020 | AC | 2 | 80 watts | 160 |
| 4. | Crompton bulb | 2016 | AC | 3 | 9 watts | 27 |
| 5. | Foxin rechargeable led | 2019 | AC | 2 | 9 watts | 18 |
| 6. | Crown original bulb | 2019 | AC | 3 | 5 watts | 15 |
| 7. | Bosch serie 6 washing machine | 2020 | AC | 1 | 2500 watts | 2500 |
| 8. | Samsung refrigerator | 2012 | AC | 1 | | |
| 9. | Immersion heater | 2016 | AC | 1 | 1500 watts | 1500 |
| 10. | Mixer - sumeet traditional | 2017 | AC | 1 | 750 watts | 750 |
| 11. | Electric cooker - prestige | 2018 | AC | 1 | 700 watts | 700 |
| 12. | Grinder - butterfly | 2018 | AC | 1 | 500 watts | 500 |
| 13. | Television - samsung | 1998 | AC | 1 | 350 watts | 350 |
| 14. | Trimmer | 2019 | DC | 1 | 2 watts | 2 |
| 15. | Powerbank | 2020 | DC | 1 | 10000mah*5v = 50 watts | 50 |
| 16. | Xiaomi mobile | 2018 | DC | 1 | 5000mah*5v = 25 watts | 25 |
| 17. | Lava pulse | 2020 | DC | 1 | 1800mah*5v = 9 watts | 9 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 18. | Samsung duos | 2016 | DC | 1 | 1500mah*5v = 7.5 watts | 7.5 |
| 19. | Liquid vapourizer - All out | 2020 | DC | 1 | 2.5 watts | 2.5 |
| 20. | Adapter - xiaomi | 2017 | AC - DC | 1 | 5v*2A = 10 Watts | 10 |
| 21. | Adapter - samsung | 2016 | AC - DC | 2 | 5v*1.6 = 8 watts | 16 |

Meter number: 4654732
Meter bill number: 113132D012017799
Present meter reading unit: 5600 units
Past three months reading units: 200 units
Past three months bill amount: 955rs

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date:

# MINI PROJECT REPORT

## [Domestic Energy Audit]

Student Name: KARNAM PAVANI Roll No: 20U45A0225

Batch/Year/Class/Sem: 2021/ 3rd B Tech/ 3-1

ENERGY METER NO. :- 324

BILL ADDRESS: RAMANAMMA

A CODE : 70701

ADDRESS : AGANAMPUDI

NO. OF ELECTRICAL APPLIANCES AT HOME :- 16

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## SOFT COPY OF AUGUST , SEPTEMBER BILLS

AUG CONSUMPTION IN UNITS-98

AMOUNT PAID IN RUPEES – 354

SEP CONSUMPTION IN UNITS – 119

AMOUNT PAID IN RUPEES - 441

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| S.NO. | NAME OF APPLIANCE | COMPANY | YEAR OF MANUFACTURER | WATTAGE OR RATING | QTY. | REMARKS |
|---|---|---|---|---|---|---|
| 1 | FANS | CROMPTON | 2020 | 55W | 2 | NA |
| 2 | FANS | HINDWARE | 2020 | 40W | 2 | NA |
| 3 | TUBELIGHTS | HAVELLS | 2019 | 40W | 5 | NA |
| 4 | GRINDER | PREETHI | 2019 | 750W | 1 | NA |
| 5 | MIXER | PREETHI | 2018 | 750W | 1 | NA |
| 6 | TV | REAL ME | 2019 | 74W | 1 | NA |
| 7 | REFRIGERATOR | WHIRLPOOL | 2020 | 190W | 1 | NA |
| 8 | INVERTER | MICROTEK | 2017 | 672W | 1 | NA |
| 9 | LED BULB | PHILIPS | 2019 | 7W | 1 | NA |
| 10 | NIGHT BULB | PHILIPS | 2020 | 1W | 1 | NA |

PHOTOS OF NAME PLATE DETAILS - EQUIPMENTS

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CONCLUSION :

This Domestic Energy Audit helps individual home owners find out their Residential consumption and energy flow. This Audit is useful to Determine areas of your home where there is energy loss and by identifying where power usage may be curbed to earn savings
This energy audit will help us to 1) Map energy usage in their house holds 2) Minimize their house hold energy and cost savings.
Average wattage : 257w
Average power consumption in units :119
Amount paid in rupees :440

**Conclusion:**

- As I observered that from last 3months the current bill will be increasing and decreasing.
- Energy efficiency is the wave of the future.
- An energy efficient home is a personal step towards the direction of renewable energy
- Finally, I conclude that energy is most useful weapon for the society.

**"Today's Wastage is**

**Tomorrow's Shortage"**

**Socially relevant project**

# 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*


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| UPPILI JAYANTH | 20U45A0221 |
| GALLA DEEPTHI | 19U41A0201 |
| MUMMINA LOWKYA | 20U45A0238 |


*Under the Esteemed Guidance of*

**Mr. A Krishna Nag**

Associate professor & HOD, Department of EEE

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


**2022**

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## 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*


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| 2. | K. PAVANI | 20U45A0225 |
| 3. | K. DILEEP KUMAR | 20U45A0226 |
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Under the Esteemed Guidance of
**Mr. B V SIVA PRASAD M.Tech,( P.h.D )**
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This is to certify that the Socially Relevant Project work entitled "**DETECTION OF RASH DRIVING ON HIGHWAYS**" is a 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 [illegible]SIVA PRASAD**
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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 asit 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**

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| ARJILLI KONDA BABU | : | 20U45A0204 |
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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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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

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# 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 profcssor & 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 handly 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


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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.

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Head of the Department
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**EXTERNAL EXAMINER**

# 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

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*Under the Esteemed Guidence of*

**Mr. K SRINIVAS RAO**
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2019

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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.

| | |
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| Mr.K.SRINIVAS RAO | Mr. KRISHNA NAG |
| DEPUTY HEAD OF DEPARTMENT | ASSOCIATE PROFESSOR |
| (PROJECT GUIDE) | (HEAD OF THE DEPARTMENT) |

## ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be in complete 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*

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*Under the Esteemed Guidance of*
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**Mr. T . RAMESH BABU**
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(SOCIALLY RELEVANT PROJECT GUIDE)

**Mr. A. KRISHNA NAG**
Assoc. **(PROFESSOR)**
(HEAD OF THE DEPARTMENT)

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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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

| | |
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| D.RAVI TEJA | -20U45A0211 |
| B.BENARJEE VAMSI | -20U43A0206 |
| R.JAVARAM | - 19U41A0203 |
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*Under the Esteemed Guidance of*
**CH. RAVI KUMAR**
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# CERTIFICATE

This is to certify that the project work entitled **"DESIGN OF COVID PREVENTIVE TEMPERATURE AND MASK SCAN ENTRY STSTEM USING IOT"** is being submitted by J.Viswanwara Rao (20U45A0220), D.Ravi teja (20U45A0211) , B.Benarjee Vanni (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.

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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*


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| B. LAKSHMI NARAYANA MANIKANTHA | ( 20U45A0209 ) |
| K. CHANDU | ( 20U45A0222 ) |
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*Under the Esteemed Guidance of*

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## 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.

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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 tha 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**

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*Under the Esteemed Guidance of*

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This is to certify that the Socially Relevant Project work entitled "A MULTIFACTOR STUDENT ATTENDES )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.

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## 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



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

BACHELOR OF TECHNOLOGY IN ELECTRICAL & ELECTRONICS ENGINEERING

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This is to certify that the project work entitled "WATER LEVEL INDICATOR" is being submitted by G Gowtham kumar, S Padma, K V Chaitanya, A Hemanth, D 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.

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EXTERNAL EXAMINER

# WATER LEVEL INDICATOR USING ARDUINO AND ULTRASONIC SENSORS

G Jagadeesh[1], K V Chaitanya[2],S Venkata padmavathi[2],A Hemanth[2]G Gowtham kumar[2],BShiva[2]

[1]Faculty,[2]student,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 feed 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 losses ranging in the order of thousands of naira per week depending on the extend of such applications .These losses can be prevented the tank is moniterd automatically by incooperating a feed back .Water level indicator using ultra sonic 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 presenting 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 ,turing it off. When the water level is high. Thus , the Arduino circuit of a water level indicator helps in the preventing of water wastage of in overhead tank. A transmitter circuit and receiver circuit. The transmitter circuit makes use of an ultrasonic sensors to measure the water level in terms of distance. This data is sent to the receiver circuit using of RF communication.

KEYWORDS: Arduino, Ultra sonic 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**

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THIS IS TO CERTIFY THAT

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Department of Electronics and Communication engineering

DADI Institute of engineering and technology

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**Artificial Intelligence**

Duration : 15 Days From : 11th October 2021 - 26th October 2021

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Director

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STEP NITK Srinivasnagar Mangalore Karnataka 575025

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This is to Certify that Mr./Ms. VENTAKOTA 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

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Asst. General Manager (Training)
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Date : 30/10/2021
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*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.*

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Student ID :STU613745bcb9caf1631012284

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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

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
हेवी प्लेट्स एंड वेसल्स प्लांट, विशाखापत्तनम -530012, आ.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.

6/12/2021

(G Kuru Murthy)

**Dy. General Manager (HRDC& Security)**

# 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

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
हेवी प्लेट्स एंड वेसल्स प्लांट, विसाखापत्तनम -530012, आ.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)

Tel. No. 0891-6681280, Fax: 6681700, e-mail: xxxx@bhel.in, website: www.bhel.com

INTERNSHALA TRAININGS

# 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: 2021-10-16 Certificate no. : 1609D72D-999A-EF73-54C0-03E8D7405C9D
For certificate authentication, please visit https://trainings.internshala.com/verify_certificate

aws academy

# 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

# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi, NAAC accredited Institute & permanently affiliated to JNTUK, Kakinada)
An ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institute.
**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 | Dr. K.S. Eswararao | Dr.Ch.Prabhakara Rao | Sri Dadi Ratnakar |
|---|---|---|---|
| Training & Placement Officer | Vice Principal | Principal | Chairman |

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

Reg.No. : 100005402
प्रमाणपत्र Certificate

यह प्रमाणित किया जाता है कि श्री/ This is to certify that Mr./Ms. R.RAMYA student of

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

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY ANAKAPALLE से/has undergone

4 Week प्रशिक्षण/ training विशाखापत्तनम स्थापन

संयंत्र में/ at Visakhapatnam Steel Plant in CENTRAL MAINTENANCE ELECTRICAL (CME) विभाग/ department से/ from 27-09-2021 से/ to 23-10-2021 तक किया।

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

स्थान/ Place : Visakhapatnam
दिनांक/ Date : 26-10-2021

भारत हेवी इलेक्ट्रिकल्स लिमिटेड

हेवी प्लेट्स एंड वेसल्स प्लांट, विसाखापत्तनम -530012, आ.प्र., भारत.

**Bharat Heavy Electricals Limited**

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

Maharatna Company

**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.

6/12/2021

**(G Kuru Murthy)**

**Dy. General Manager (HRDC& Security)**

राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited

विशाखापत्तनम इस्पात संयंत्र Visakhapatnam Steel Plant

तकनीकी प्रशिक्षण केंद्र, Technical training Institute

विशाखापत्तनम Visakhapatanam-530031

Reg.No. : 100005329

प्रमाणपत्र Certificate

प्रमाणित किया जाता है कि श्री /This is to certify that Mr./Ms. LALAM VANDANA student of

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

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY,ANAKAPALLI से has undergone

4 Week प्रशिक्षण training विशाखापत्तनम इस्पात

संयंत्र के at Visakhapatnam Steel Plant in ELECTRICAL REPAIR SHOP (ERS) विभागों से

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

परियोजना शीर्षक The Project Title is DIFFERENT TYPES OF AC WINDING AND ITS PROCEDURES, WINDING DATA COLLECTION है।

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

is GOOD है

स्थान Place : Visakhapatnam

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
हेवी प्लेट्स एंड वेसल्स प्लांट, विशाखापत्तनम -530012, आ.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)**

Tel. No. 0891-6681280, Fax: 6681700, e-mail: [redacted], website: www.bhel.com

N·E·A·T
EduSkills
Nation Building Through Skills
2021
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

विशाखपट्टणम पोर्ट ट्रस्ट
VISAKHAPATNAM PORT TRUST

SAGARMALA

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

विशाखपट्टणम पोर्ट ट्रस्ट, विशाखपट्टणम - 530 035 फोन : +91 891-2873136, फैक्स : +91 891-2565023
Visakhapatnam Port Trust, Visakhapatnam - 530 035, Tel : +91 891-2873136, Fax : +91 891-2565023
e-mail : secretary.vizagport@gmail.com

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
हेवी प्लेट्स एंड वेसल्स प्लांट, विशाखापत्तनम -530012, आ.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)**

Tel. No. 0891-6681280, Fax: 6681700, e-mail: xxxx@bhel.in, website: www.bhel.com

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
हेवी प्लेट्स एंड वेसल्स प्लांट, विशाखापत्तनम -530012, आ.प्र., भारत
Bharat Heavy Electricals Limited
Heavy Plates & Vessels Plant, Visakhapatnam – 530012, A.P., INDIA

Ref: HRDC/B/07/2021

CERT.NO6415/01.10.2021
Date: 06/11/2021

## CERTIFICATE

This is to certify that **Miss. KOPPISETTI SAI SATYA JAHNAVI D/o Shri KOPPISETTI LAKSHMI PRASANNA 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)

Tel. No. 0891-6681280, Fax: 6681700, e-mail: xxxx@bhel.in, website: www.bhel.com

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. 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".**

17/12/21

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 Visakhapatanam-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)** विभाग 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 |

स्थान/Place : Visahkhapatnam

दि./Date : 26-10-2021

राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited
विशाखापत्तनम इस्पात संयंत्र Visakhapatnam Steel Plant
तकनीकी प्रशिक्षण केंद्र, Technical training Institute
विशाखापत्तनम Visakhapatanam-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)** विभाग में

department from दि. **27-09-2021** से to **23-10-2021** प्रान्त 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 : Visahkhapatnam

दि./Date : 26-10-2021

राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited
विशाखापत्तनम इस्पात संयंत्र Visakhapatnam Steel Plant
तकनीकी प्रशिक्षण केंद्र, Technical training Institute
विशाखापत्तनम Visakhapatanam-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)** विभाग 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 |

स्थान/Place : Visahkhapatnam
दि./Date : 26-10-2021

N·E·A·T
EduSkills
Nation Building Through Skills
2021
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 Visakhapatanam-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)** विभाग 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 : Visahkhapatnam
दि./Date : 26-10-2021

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
हेवी प्लेट्स एंड वेसल्स प्लांट, विशाखापत्तनम - 530012, आ.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.

6/11/2021

(G Kuru Murthy)

**Dy. General Manager (HRDC& Security)**

Tel. No. 0891-6681280, Fax: 6681700, e-mail: xxxx@bhel.in, website: www.bhel.com

ISO 9001 ISO 14001 ISO 45001

विशाखपट्टणम पोर्ट ट्रस्ट

VISAKHAPATNAM PORT TRUST

SAGARMALA

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

Participatory learning

Business club activities

No of Participants : 20
Organized by : MBA Department – Team Wisdom

Brief Summary :

As a part of the business club activity, all the MBA students and the MBA Department faculty gathered at Seminar Hall–2. The b-club activity was organized by Team Wisdom. The session on Just A Minute (JAM).

Every Team participated actively in the jam session. Everyone individual from their team came on the stage and share their opinion and thoughts on their own topics on jam session.

The jam session topic introduced in this activity by the Teams are:

- Team Wisdom – Customer Service, Nature, Agriculture, Business strategy.
- Team Conquerors – Self Motivation, Technology, About Mahabharata, Down Detector.
- Team Avengers – About Lakshmi Agarwal , MS Dhoni, Football Player Mitesh kumar, About Nick Vujicic.
- Team Quest - Mokshagundam Visvesvaraya, About her father, Surgical Strike, Social Media.
- Team Tycoons – Self Details, About MBA, Friendship, Indian Forestman .

Our faculty Mr.A.Kiran kumar sir (Dep of MBA) took the initiative and motivated us with much more new ideas and Mrs. Devasree mam (Dep of MBA) mentioned few key elements regarding jam session and supported us with Great Spirit. Our faculty Mrs. J.Sowmya madam (Dep of MBA) also joined us and gave us many valuable suggestions regarding the jam session.

The jam session conducted smoothly with all the members of active participants and made it a successful ones. In this business club activity, we learnt many things and acquired many ideas and knowledge.

THANK YOU
TEAM WISDOM

# MBA II – Year

| S.NO | HT NO | STUDENT NAMES |
|---|---|---|
| 1 | 20U41E0001 | ADARI JAGAN MOHAN |
| 2 | 20U41E0002 | ADDEPALLI PRIYANKA |
| 3 | 20U41E0003 | BALAGA SAI KUMAR |
| 4 | 20U41E0004 | BHIMUNI PAVAN KUMAR |
| 5 | 20U41E0005 | CHANDAKA NAGALAXMI |
| 6 | 20U41E0006 | CHEKURI JYOSHNA DEVI |
| 7 | 20U41E0007 | DHARMISETTY SAIKUMAR |

| | | |
|---|---|---|
| 8 | 20U41E009 | LOTLA LALITHA SWARNA KUMARI |
| 9 | 20U41E0010 | MUDUNURI SRI KAVYA |
| 10 | 20U41E0011 | MYLAPALLI GUNA SAILUSHA |
| 11 | 20U41E0012 | PANDURI PRADEEP |
| 12 | 20U41E0013 | PENTAKOTA BHAVYAVANI |
| 13 | 20U41E0014 | PENTAKOTA DRAKSHAYANI |
| 14 | 20U41E0016 | SERAM DIVYASREE |
| 15 | 20U41E0017 | SEVA LAKSHMI MANASA |
| 16 | 20U41E0018 | SURISETTI NALINI |
| 17 | 20U41E0020 | YALAMANCHILI SANTHI KUMARI |
| 18 | 20U41E0021 | YENUGUPALLI INDRAJA |
| 19 | 20U41E0022 | GRANDHI PRATYUSHA |
| 20 | 20U41E0023 | KARRI CHARISHMA SRAVANI |

TOTAL STUDENTS : 22
TOTAL ATTENDEES : 20
TOTAL ABSENTEES : 2

OUTCOME : finally this session helped us to increase the ability of spontaneous speech without any preparation.

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

**DEPARTMENT OF MASTERS OF BUSINESS ADMINISTRATION (MBA)**

# BUSINESS CLUB ACTIVITY

## AD-MAKING SESSION : TEAM WISDOM

Date of Event : 02-12-2021
Venue : Seminar Hall – 2
Time : 11:50 am to 1:30pm
Beneficiaries : MBA II-year
No of Participants : 19
Organized by : MBA Department – Team Wisdom

Brief Summary :

As a part of the business club activity, all the MBA students and the MBA Department faculty gathered at Seminar Hall–2. The b-club activity was organized by Team Wisdom. The session on Ad-making.

Every Team participated with their innovative thoughts and presented their chart presentation and also enacted on their own products. They first started with their enact of advertising the product to the audience. Later, they clearly explained about their product-uses, work process, advantages, disadvantages with the help of chart presentation and by setting their own designations like product designer, product developer, testing engineer, sales executive, etc.

The ad-making products introduced in this activity by the Teams are:

- Team Wisdom – Dream Big [DB] LED with Touch Fingerprint Module
- Team Conquerors – Explore India( Travelling App)
- Team Avengers – Earth Herbs(Organic skincare and beauty products)
- Team Quest - E-bike(electronic bike)
- Team Tycoons – Mr.Big Chocolate

Our faculty Mr.A.Kiran kumar sir (Dep of MBA) took the initiative and motivated us with much more new ideas and Mr. Babji sir (Dep of MBA) mentioned few key elements in the presentation and supported us with Great Spirit. Our faculty Mrs. J.Sowmya madam (Dep of MBA) also joined us and gave us many valuable suggestions regarding the presentation.

Finally, prize distribution done by each
faculty to the winner team and the runner up team.
The ad-making session conducted smoothly with all the members of active participants and made it a successful ones. In this business club activity, we learnt many things and acquired many ideas and knowledge.

THANK YO
TEAM WISDO

# MBA II – Year

| S.NO | HT NO | STUDENT NAMES |
|---|---|---|
| 1 | 20U41E0001 | ADARI JAGAN MOHAN |
| 2 | 20U41E0002 | ADDEPALLI PRIYANKA |
| 3 | 20U41E0003 | BALAGA SAI KUMAR |
| 4 | 20U41E0005 | CHANDAKA NAGALAXMI |
| 5 | 20U41E0006 | CHEKURI JYOSHNA DEVI |
| 6 | 20U41E0007 | DHARMISETTY SAIKUMAR |
| 7 | 20U41E0009 | LOTLA LALITHA SWARNA KUMARI |
| 8 | 20U41E0010 | SRI KAVYA |
| 9 | 20U41E0011 | MYLAPALLI GUNA SAILUSHA |
| 10 | 20U41E0012 | PANDURI PRADEEP |
| 11 | 20U41E0013 | PENTAKOTA BHAVYAVANI |
| 12 | 20U41E0014 | PENTAKOTA DRAKSHAYANI |
| 13 | 20U41E0017 | SEVA LAKSHMI MANASA |
| 14 | 20U41E0018 | SURISETTI NALINI |
| 15 | 20U41E0019 | SURISETTI PAVANI |
| 16 | 20U41E0020 | YALAMANCHILI SANTHI KUMARI |
| 17 | 20U41E0021 | YENUGUPALLI INDRAJA |
| 18 | 20U41E0022 | GRANDHI PRATYUSHA |
| 19 | 20U41E0023 | KARRI CHARISHMA SRAVANI |

TOTAL STUDENTS : 22
TOTAL ATTENDEES : 19
TOTAL ABSENTEES : 03

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**DEPARTMENT OF MASTERS OF BUSINESS ADMINISTRATION (MBA)**

# BUSINESS CLUB ACTIVITY

## ECO-FRIENDLY PRODUCT SESSION : TEAM WISDOM

Date of Event : 03-02-2022
Venue : Seminar Hall – 2
Time : 11:00 am to 12:40pm
Beneficiaries : MBA II-year
No of Participants : 15
Organized by : MBA Department – Team Wisdom

Brief Summary :

As a part of the business club activity, all the MBA students and the MBA Department faculty gathered at Seminar Hall–2. The b-club activity was organized by Team Wisdom. The session on ECO-FRIENDLY PRODUCTS.

Every team participated actively in this session. Everyone in every team came forward with their new ideas and thoughts and given the chart presentation. They explained their presentation regarding their products and product process and about their usages and their features .

The eco-friendly products topic introduced in this activity by the Teams are:

- Team Wisdom – plantable product.
- Team Conquerors – plant organic .
- Team Avengers – candy land.
- Team Quest – low wastage products.
- Team Tycoons – bamboo speaker.

Our faculty Dr P.B.Ram kumar sir (Hod of MBA) took the initiative and motivated us with much more new ideas and Mrs. J.sowmya madam (Dep of MBA) mentioned few key elements regarding session and supported us. Our faculty Mr. Y.Babji sir (Dep of MBA) also joined us and gave us many valuable suggestions.

The eco friendly product session conducted smoothly with all the members of active participants and made it a successful ones.

In this business club activity, we learnt many things and acquired many ideas and knowledge.

THANK YOU
TEAM WISDOM

# MBA II – Year

| S.NO | HT NO | STUDENT NAMES |
|---|---|---|
| 1 | 20U41E0001 | ADARI JAGAN MOHAN |
| 2 | 20U41E0002 | ADDEPALLI PRIYANKA |
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| 5 | 20U41E0006 | CHEKURI JYOSHNA DEVI |
| 6 | 20U41E009 | LOTLA LALITHA SWARNA KUMARI |
| 7 | 20U41E0011 | MYLAPALLI GUNA SAILUSHA |
| 8 | 20U41E0012 | PANDURI PRADEEP |
| 9 | 20U41E0013 | PENTAKOTA BHAVYAVANI |
| 10 | 20U41E0014 | PENTAKOTA DRAKSHAYANI |
| 11 | 20U41E0016 | SERAM DIVYASREE |
| 12 | 20U41E0020 | YALAMANCHILI SANTHI KUMARI |
| 13 | 20U41E0021 | YENUGUPALLI INDRAJA |
| 14 | 20U41E0022 | GRANDHI PRATYUSHA |
| 15 | 20U41E0023 | KARRI CHARISHMA SRAVANI |

TOTAL STUDENTS : 22
TOTAL ATTENDEES : 15
TOTAL ABSENTEES : 7

OUTCOME : Finally this session help us to create innovative ideas when come up with creative and interesting talk, and the creation of such aids can help to develop confidence and communication skills

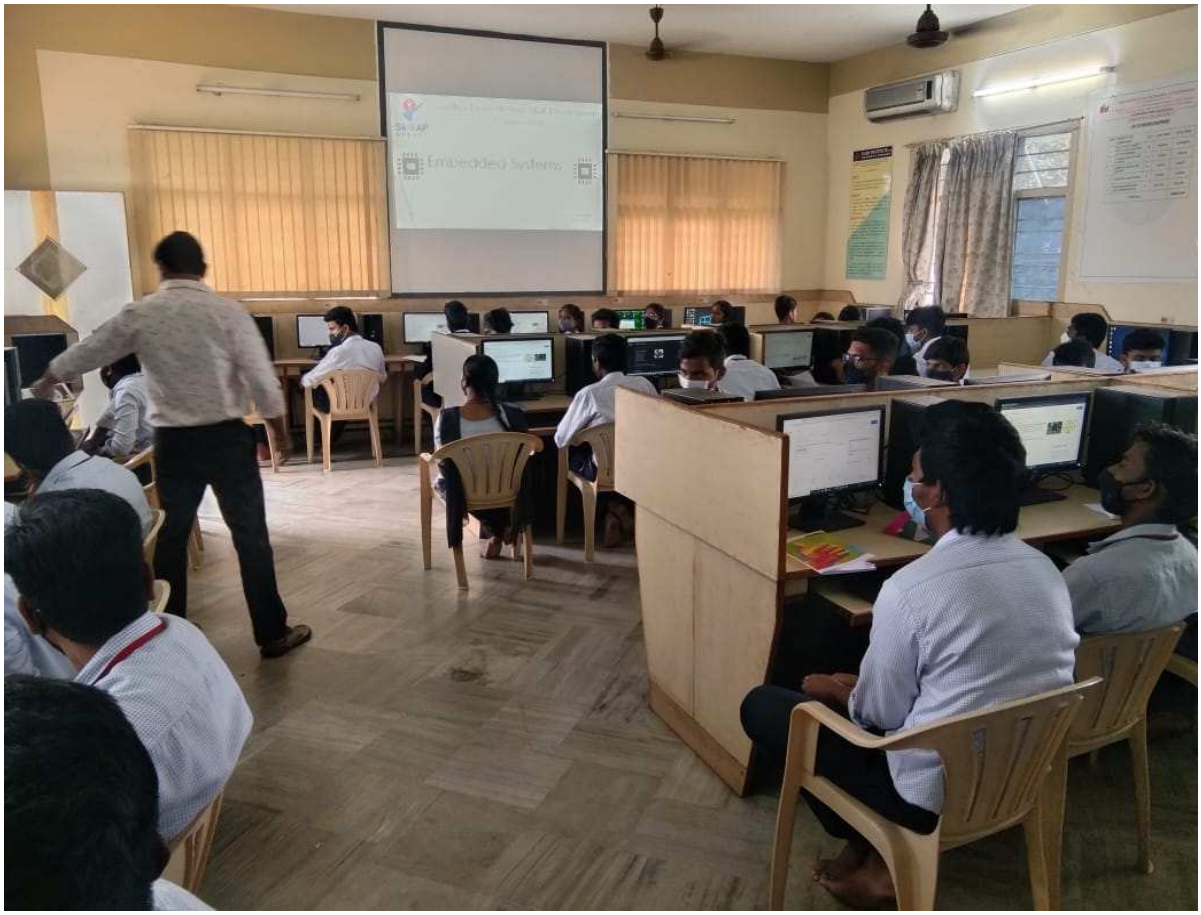
Student seminars

Student seminars are conducted in the class room

Motivational sessions from alumni

The relieved batch student interacting with students

# Embedded systems workshop




Students learning programming for Embedded systems

# Participative learning

Student roleplay in classroom

## Participative learning: Peer discussion

Student peer discussion conducted in class room

Students in computer lab

Students practicing programming languages

# Participative learning

Students seminars conducted

Participative learning

Student seminars in the class

## Participative learning

Student mock interviews

# Participative learning

Student discussions in the class

**Participative learning**

Mock technical interviews by students

Participative learning

Student peer discussion sessions

Participative learning

Students learning programmes

Student technical seminars

Students seminars evaluated by faculty

PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE - 531 002

# 2020 – 21

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## Best Practices – Teaching & Learning

## Experential and Participatory learning

Dadi Institute of Engineering and Technology with the effective functioning of all the faculty members have always tried to impart innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.Here, students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year apart from the commonly implemented methods like Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, Newspaper readings, repeating difficult topics by topper students, field visits, Industrial visits, pictorial demonstration and many more activities.

It was a clear observation that more the number of sessions conducted with the above-mentioned concepts, better were the results obtained every semester. Some of the glimpses of these strategies employed by the institute are shared in this document.

### Participatory & Experiential learning in Teaching and Evaluation method

In this academic year, the department planned to improve the communication skills of the students and several activities conducted which involves all the students in a right direction towards their goals.

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## SPARKS CLUB ACTIVITY

## Creative Skills – Activity – 05-02-2020

**Date of Event** : **05-02-2020**
**Venue** : **LH 34**
**Time** : **1:30 pm to 4:00 pm**
**Beneficiaries** : **III EEE**
**No of Participants** : **93**
**Organized by** : **EEE Department SPARKS CLUB**

**Brief Summary:**

This activity organized by SPARKS club was an initiative to polish the inherent creative skills of students where every participant is given an instruction to solve a problem with specified number of steps on the board while the remaining team members had to take the pictorial task forward which enhances the student's vocabulary and creative thinking.

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## SPARKS CLUB ACTIVITY

## Communication Skills – Activity – Role Play

| | |
|---|---|
| **Date of Event** | **: 28-01-2020** |
| **Venue** | **: Seminar Hall – 2** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: IV EEE** |
| **No of Participants** | **: 89** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**
As a part of our Sparks club activity, today we have conducted two acts (Role Play & Contraptions) in which 3 teams have participated with a test of Spontaneity, Leadership skills and innovative ideas. 18 Students have effectively made use of this activity in front of the remaining 70 odd students. This process was monitored by Mr A KRISHNA NAG, Associate Professor - EEE

As a part of the EEE department activities, Professional connectivity& mode of teaching methods evaluation procedures discussed with the academic team and implementation of the same in the department.

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## CIRCUIT BUILDING

| | |
|---|---|
| **Date of Event** | **: 04-04-2020** |
| **Venue** | **: Electrical Circuits & Measurements Lab** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: II & IV EEE** |
| **No of Participants** | **: 123** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

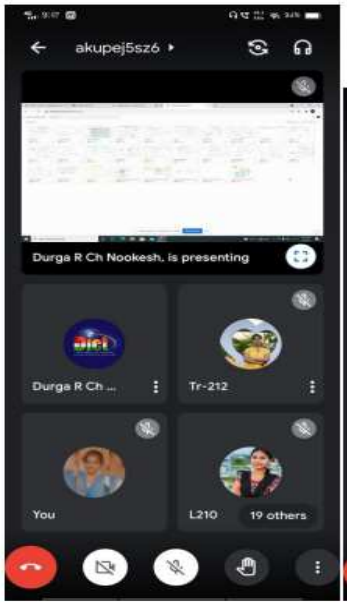
**Brief Summary:**

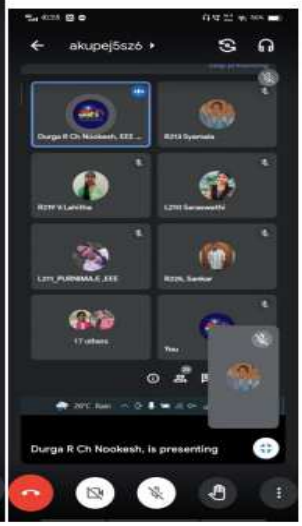
Under EEE Department SPARKS club, IV Btech EEE students have taken an initiative to train their juniors from II B.Tech EEE to build mini circuits which would enhance their laboratory performing skills. Minor circuits were given to a few batches and the same are to be solved without getting any errors while supply is given to circuit.

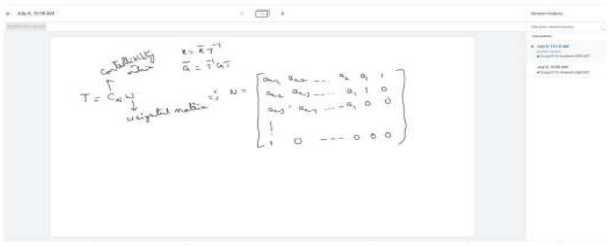
Innovative teaching methods explores the students intellectual property with building the concepts visually among the students that which helps them to train their minds towards research and academic excellence.

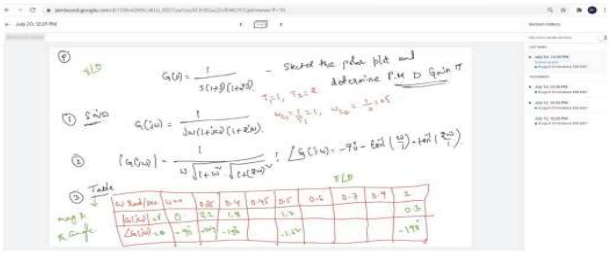
**During COVID Phase**

During this phase though it is tough time to explore the academic excellence, The EEE department took an challenging role to contribute their academic knowledge transfer to their students in virtual mode .





**Jam boards used:**

For DCS

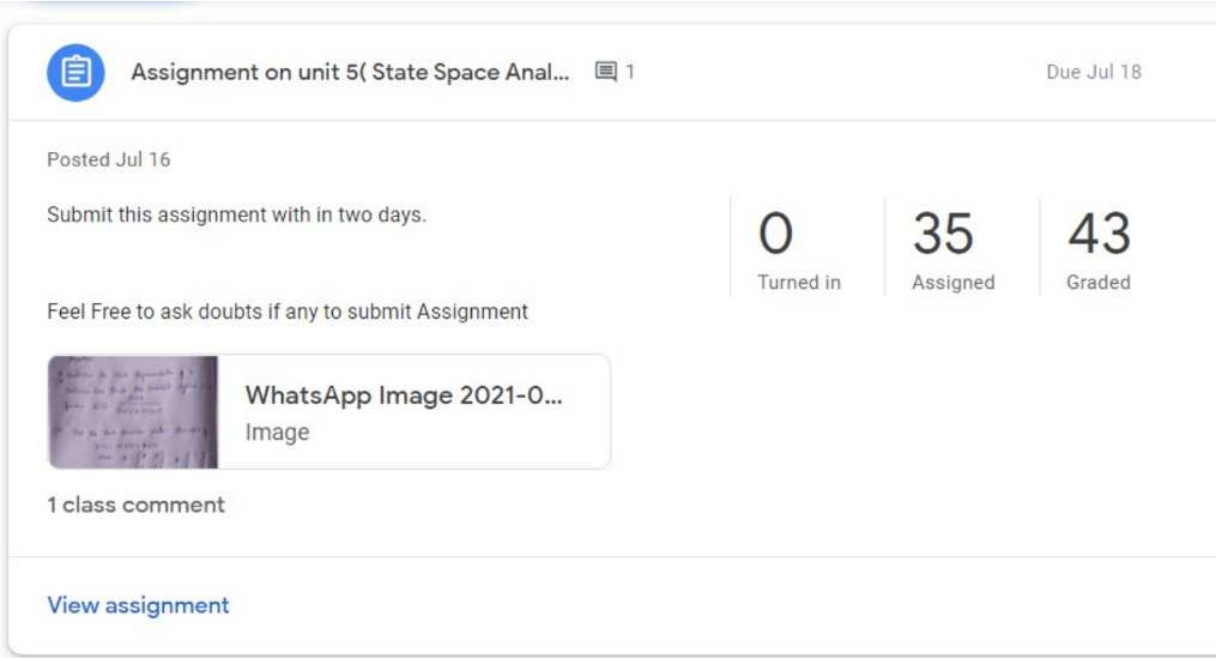
https://jamboard.google.com/d/1O6IoGM5CnKLb_9ZD7zarGvcAT3H5Gu2ZofbW2YCGjxI/viewer?f=4

For CS

https://jamboard.google.com/d/1ippUCcclu3ZH5UW5otLO40CQ--onzfOE36TeBQoOIBI/viewer?f=0

For PS-II

https://jamboard.google.com/d/1MErIMgz_9iVgrLwEckA20ywk3jUk4M4j8YOTB9gfkWc/viewer?f=0




**DUTIES PERFORMED DURING COVID 19**

**A. LAKSHMI DURGA, Assistant Professor,**

**EEE October 2020**

## I. Class work Report:

**Subject1: IV Year B.Tech EEE-A (Instrumentation) Strength:45**

| S.No | Date | Class/Yr/Section/Branch | Time | Topic Covered | Present |
|---|---|---|---|---|---|
| 1 | 26-09-2020 | IV B.Tech EEE-A | 2.30PM to 3.10PM | Velocity Measurement | 36/45 |
| 2 | 28-09-2020 | IV B.Tech EEE-A | 11.30AM to 12.20PM | Angular Velocity | 40/45 |
| 3 | 29-09-2020 | IV B.Tech EEE-A | 9.50 AM to 10.40 AM | Accelerometer | 36/45 |
| 4 | 30-09-2020 | IV B.Tech EEE-A | 11.30AM to 12.20PM | Potentiometric Accelerometer | 34/45 |
| 5 | 01-10-2020 | IV B.Tech EEE-A | 9.50 AM to 10.40 AM | Measurement of strain | 34/44 |
| 6 | 03-10-2020 | IV B.Tech EEE-A | 2.30PM to 3.20PM | Measurement of Flow | 36/45 |

**Subject2: IV Year B.Tech EEE-B (Instrumentation) Strength:44**

| S.No | Date | Class/Yr/Section/Branch | Time | Topic Covered | Present |
|---|---|---|---|---|---|
| 1 | 26-09-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Velocity Measurement | 35/44 |
| 2 | 28-09-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Angular Velocity | 35/44 |
| 3 | 29-09-2020 | IV B.Tech EEE-B | 2.30PM to 3.10PM | Accelerometer | 36/45 |
| 4 | 30-09-2020 | IV B.Tech EEE-B | 3.20PM to 4.10PM | Potentiometric Accelerometer | 34/45 |
| 5 | 01-10-2020 | IV B.Tech EEE-B | 11.30AM to 12.20PM | Measurement of strain | 34/44 |
| 6 | 03-10-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Measurement of Flow | 36/45 |

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**DUTIES PERFORMED DURING COVID 19**

**A. LAKSHMI DURGA, Assistant Professor,**

**EEE October 2020**

## I. Class work Report:

**Subject1: IV Year B.Tech EEE-A (Instrumentation) Strength:45**

| S.No | Date | Class/Yr/Section/Branch | Time | Topic Covered | Present |
|---|---|---|---|---|---|
| 1 | 26-09-2020 | IV B.Tech EEE-A | 2.30PM to 3.10PM | Velocity Measurement | 36/45 |
| 2 | 28-09-2020 | IV B.Tech EEE-A | 11.30AM to 12.20PM | Angular Velocity | 40/45 |
| 3 | 29-09-2020 | IV B.Tech EEE-A | 9.50 AM to 10.40 AM | Accelerometer | 36/45 |
| 4 | 30-09-2020 | IV B.Tech EEE-A | 11.30AM to 12.20PM | Potentiometric Accelerometer | 34/45 |
| 5 | 01-10-2020 | IV B.Tech EEE-A | 9.50 AM to 10.40 AM | Measurement of strain | 34/44 |
| 6 | 03-10-2020 | IV B.Tech EEE-A | 2.30PM to 3.20PM | Measurement of Flow | 36/45 |

**Subject2: IV Year B.Tech EEE-B (Instrumentation) Strength:44**

| S.No | Date | Class/Yr/Section/Branch | Time | Topic Covered | Present |
|---|---|---|---|---|---|
| 1 | 26-09-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Velocity Measurement | 35/44 |
| 2 | 28-09-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Angular Velocity | 35/44 |
| 3 | 29-09-2020 | IV B.Tech EEE-B | 2.30PM to 3.10PM | Accelerometer | 36/45 |
| 4 | 30-09-2020 | IV B.Tech EEE-B | 3.20PM to 4.10PM | Potentiometric Accelerometer | 34/45 |
| 5 | 01-10-2020 | IV B.Tech EEE-B | 11.30AM to 12.20PM | Measurement of strain | 34/44 |
| 6 | 03-10-2020 | IV B.Tech EEE-B | 9.00AM to 9.50AM | Measurement of Flow | 36/45 |

In this academic year, the department planned to improve the communication skills of the students and several activities conducted which involves all the students in a right direction towards their goals.

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Students' participation in Technical Quiz

Students' participation in Identify the Spotted Image

Three events namely "Technical Quiz", "Identify the spotted image", and "Technical Seminar" have been conducted and students have participated with their teams.

Students' participation in Technical Quiz

Students' participation in Identify the Spotted Image

Andhra Pradesh State Skill Development Corporation

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Permanently Affiliated to JNTUK)

NAAC Accredited Institute & Inclusion under 12(B) & 2(f) of UGC Act

National Highway-16, Anakapalle, Visakhapatnam-531002, A.P.

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

## A ONE WEEKWORKSHOP ON "STAAD.Pro"

(14th – 19th March 2021)

Organized by

Department of Civil Engineering

in Association with DIET IE(I) STUDENT CHAPTER and Andhra Pradesh State Soft Skills Development (APSSDC).

## Report on "STAAD.Pro" One Week Workshop

### About Civil Engineering Department:

The Department of Civil Engineering, established in 2011, offers B.Tech. programme in Civil Engineering of four years duration with an annual intake of 120 students. The programme is approved by AICTE and affiliated to JNTUK-Kakinada. The various laboratories available in the department are Strength of Material Laboratory, Surveying Laboratory, Fluid Mechanics Laboratory, Geotechnical Laboratory, and Environmental Engineering Laboratory. Other facilities of the Department include Drawing Hall as well as Department Library.

As a part of the CIVIL department activities, Professional connectivity& mode of teaching methods evaluation procedures discussed with the academic team and implementation of the same in the department.

**Student Participation**

The trainer explained the advantages of using the software. They also demonstrated the practical applications in designing. The students could build many models by using the application. The students were applauded for their active participation for the six days.

APSSDC Trainer Sri Dali Naidu explaining the basics of STAAD.Pro to the Participants

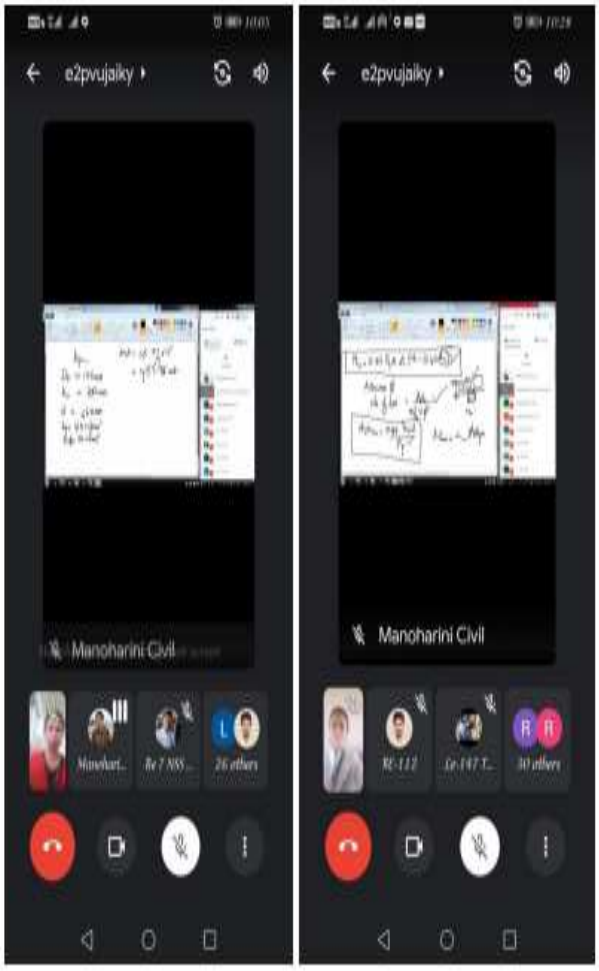
Innovative teaching methods explores the students intellectual property with building the concepts visually among the students that which helps them to train their minds towards research and academic excellence.

**During COVID Phase**

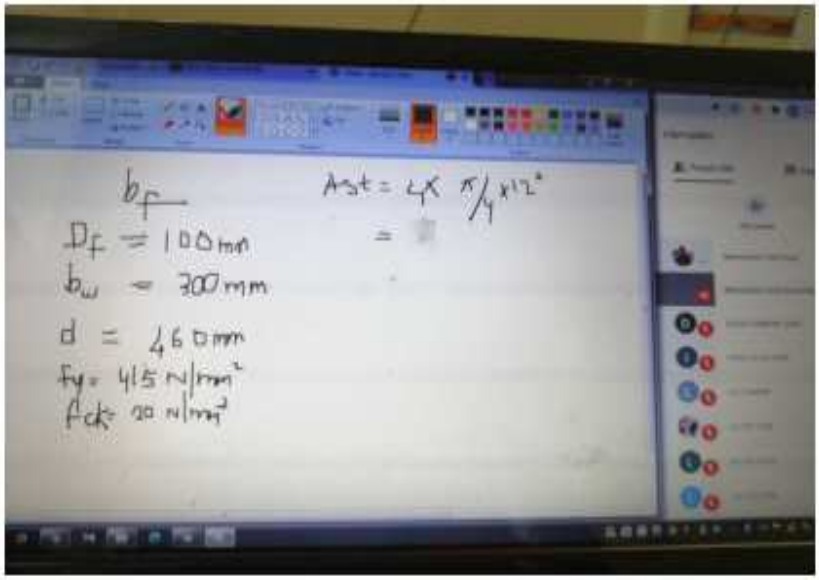
During this phase though it is tough time to explore the academic excellence, The CIVIL department took an challenging role to contribute their academic knowledge transfer to their students in virtual mode .

- III Btech DDRC'S

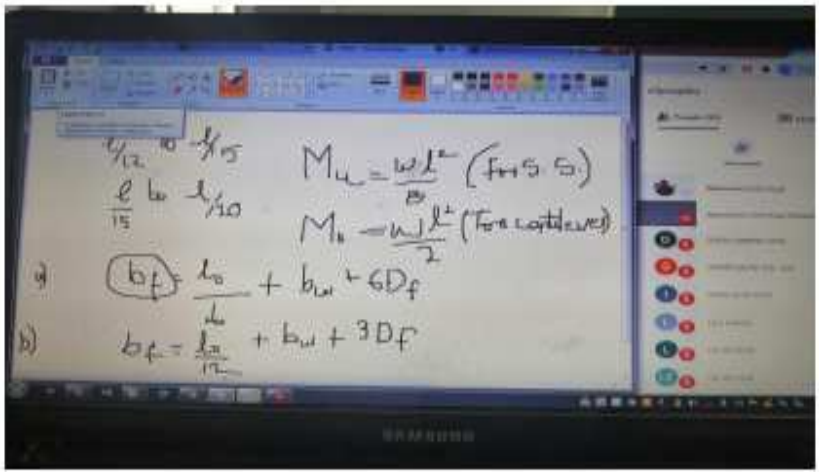
28-9-2020 29-9-2020



**28-9-2020**




**29-9-2020**



Stream Classwork People Grades

## Ddss Assignment on lacings and battens

OMMI SURESH posted a new assignment: DDSS-Assignment on Lacings ...Due Jul 26, 2021

Posted Jul 25, 2021

Ddss Assignment on Lacings and battens

| 10 | 50 | 2 |
|---|---|---|
| Turned in | Assigned | Graded |

25-Jul-2021 at 10:05 A...

Image

Add class comment...

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


**Faculty Performance Summary Report**

**By**

**K Manoharini, Assistant professor, Civil Department**

- **Class Work Report**
- **II DCE-Surveying-II**
- **II BTECH – SOM-I**
- **III BTECH- DDRCS**
- **II DCE Revision class-RCS**

- **III Btech DDRCS**

| S. No. | Date | Class/Yr/Branch | Time | Topic Covered | No. Of Students Attended | Total Strength |
|---|---|---|---|---|---|---|
| 1 | 28-9-2020 | Btech III CIVIL | 9:50-10:40 | Problems on analysis of flanged sections | 46 | 64 |
| 2 | 29-9-2020 | Btech III CIVIL | 9:50-10:40 | Stepwise procedure in design of flanged beams | 43 | 64 |
| 3 | 29-9-2020 | Btech III CIVIL | 3:20-4:10 | Problems on design of flanged beams | 39 | 64 |
| 4 | 30-9-2020 | Btech III CIVIL | 11:30-12:20 | Problems on design of flanged beams | 46 | 64 |
| 5 | 1-10-2020 | Btech III CIVIL | 12:20-1:10 | Principles of shear reinforcement | 44 | 64 |
| '6 | 3-10-2020 | Btech III CIVIL | 9:00-10:00 | Principles of shear reinforcement | 40 | 64 |
| 7 | 3-10-2020 | Btech III CIVIL | 12:20-1:10 | Stepwise procedure in design of shear reinforcement | 26 | 64 |
| 8 | 5-10-2020 | Btech III CIVIL | 9:50-10:40 | Stepwise procedure in design of shear reinforcement | 44 | 64 |
| 9 | 6-10-2020 | Btech III CIVIL | 9:50-10:40 | Problems on design | 43 | 64 |

In this academic year, the department planned several activities for students apart from classwork, which would be useful in enhancing their skill, technical knowledge and communication skills.

POSTER/POWER POINT PRESENTATION

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**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**

**III ECE students presenting their ideas**

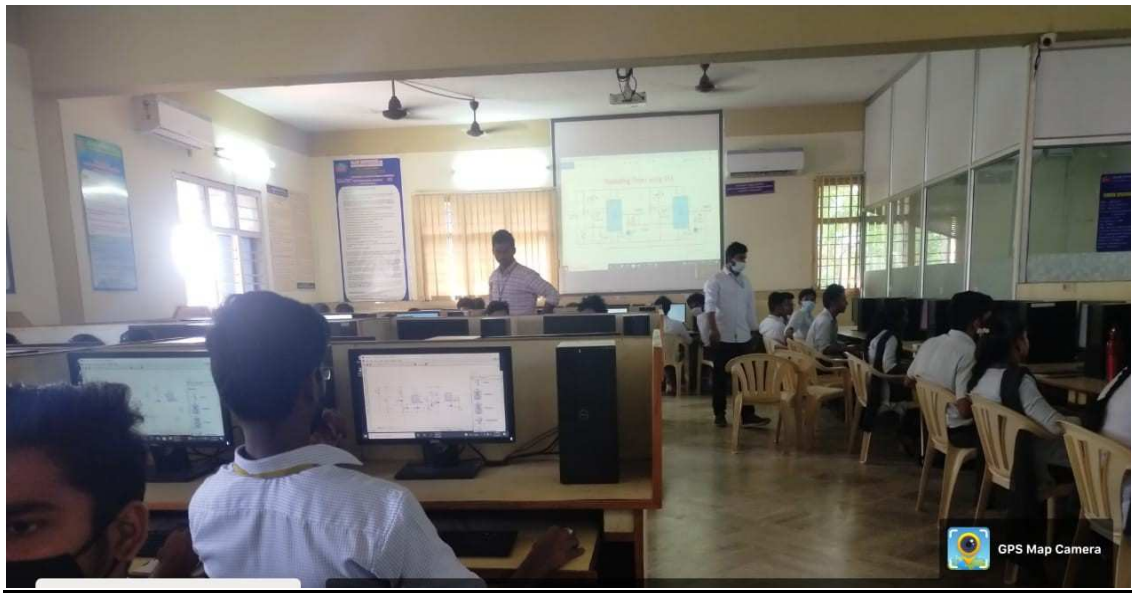
**TWO WEEK WORKSHOP ON PCB DESIGN**

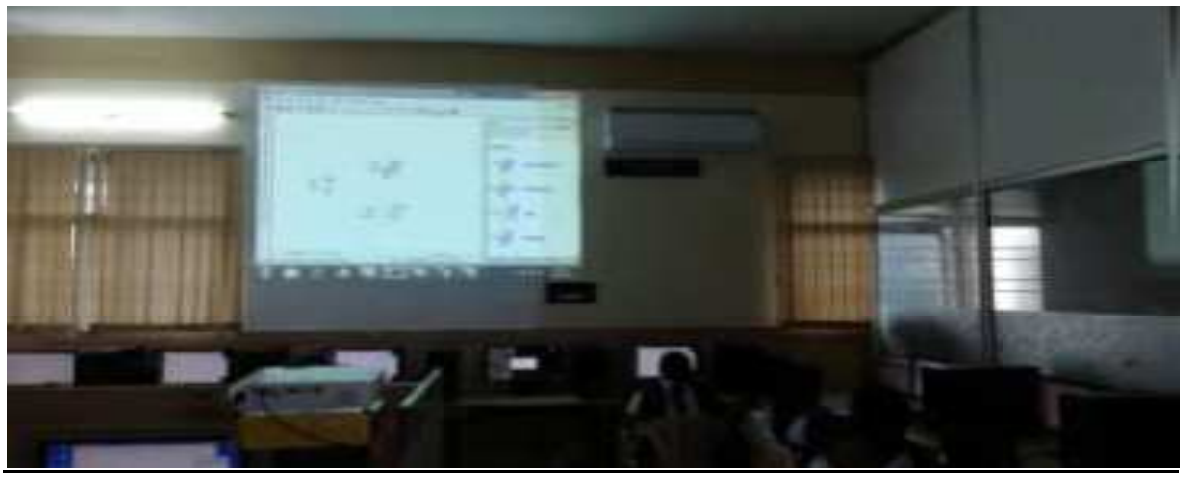
The Department of Electronics and Communication Engineering of DIET, in associationwith Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a Two Weekworkshop on ” PCB DESIGN ” for II B.Tech ECE Students during AY 2020-21 The main aim of workshop is to develop the practical knowledge of students in advanced PCBsoftware’s and to design the multiple circuits . The workshop was aimed to provide knowledgeabout Complete PCB Designing using simulation tool to test electronics & electrical circuit in Software environment.

**Objectives of Workshop**:

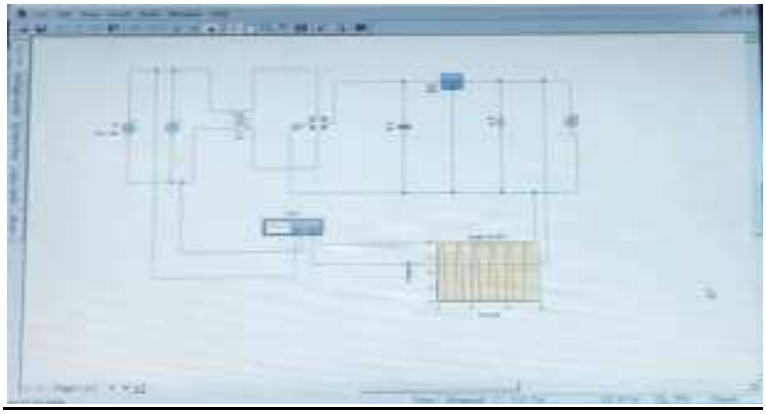
- Design a PCB as per design input.
- Understand the steps and processes involved in PCB manufacturing.

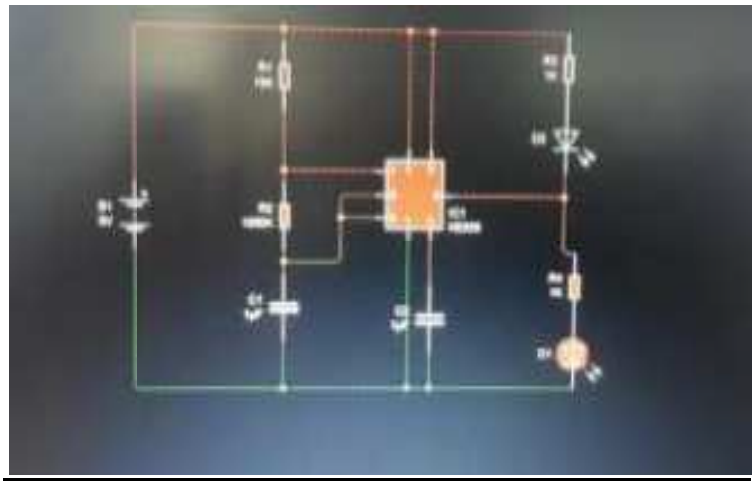
- Develop the schematics of circuit using industry grade software.



**Placing the components on the schematic window**





Designed few circuits by using live wire software

**Outcome of workshop:**

All the 93 participants effectively utilized the workshop and learned about PCB related softwares for designing different electronic circuits.

Now all the participants are able to :

- Design circuits by using Live Wire Software.
- Design circuits by using PCB Wizard Software.
- Design circuits by using Easy EDA Software.

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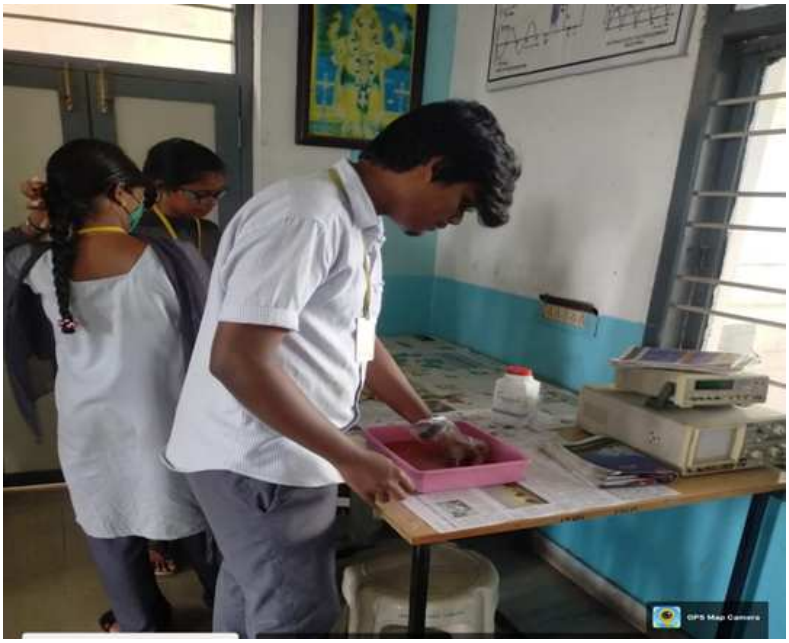
## STUDENTS EXPERIMENTAL LEARNING




**II ECE students learning the concepts through experiments.**

## ENTREPRENEURSHIP TALK & MOTIVATION SESSION FOR START UPS BY STUDENTS

**Session bySriL.Chandra Sekhar CEO INV Technologies**

**SPACE ON WHEELS EXHIBITION**

**STUDENT EXPOSURE TO INDUSTRY (ISRO)**

On the occasion of Prof.Satish Dhawan Birth Anniversary,DIET organized exhibition in association with Indian Space Research Organisation .A bus from ISRO visited college and stayed at college for two days exhibiting various weapons ,torpedoes,launch pad prototype to students for their exposure to industry.

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Scientists at ISRO explaining the procedures and concepts followed at their ISRO centre for students.

**STUDENT INNOVATION**

Final year students D.Sri Ram Murthy and B.Sai Charan came up with an innovative idea of ECE Faculty hall automation and implemented it .

D.Sri Ram Murthy and B.Sai Charan demonstrating the project to the principal Dr.Challa Narasimham and HOD ECE Mr.K.Jogi Naidu

In this academic year, the department of MBA continuing the B- Club activities apart from regular teaching evaluation process. Workshops on different domains are conducted on a regular basis to equip the students with necessary skills as per the demand of the industry. In 2021 workshops were conducted to improve students' skills related to digital banking and Entrepreneurship development. Innovative teaching methods explores the student's intellectual property with building the concepts visually among the students that which helps them to train their minds towards research and academic excellence.

| S N O | ROLL NO | NAME | TITLE | PROJECT GUIDE |
|---|---|---|---|---|
| 1 | 17U41A0447 | PREETI SAH | | |
| | 17U41A0453 | S.NAGAMANI | | |

| | | | | |
|---|---|---|---|---|
| | **17U41A0452 | S. BHAVANI | ESP32CAM BASED SURVEILLANCE ROBOT | M.KASIY AMMAL |
| | 17U41A0404 | B. DIVYA MAHIMA | | |
| | **17U41A0445 | P. JANARDHAN | | |
| 2 | 17U41A0405 | B.SAI CHARAN | ARRAY PATTERN SYNTHESIS USING UNIFORM AND NON UNIFORM AMPLITUDE DISTRIBUTIONS | Dr J. BABU |
| | 17U41A0421 | K. ROOPA | | |
| | 17U41A0434 | M. SRINU | | |
| | 17U41A0429 | K. SRAVANI | | |
| | 17U41A0438 | K. MADHURI | | |
| 3 | 17U41A0413 | D. SEETARAMAMURTHY | DESIGN AND ANALYSIS OF 2*2 MIMO ANTENNA | R.SUNEEL KUMAR |
| | 17U41A0446 | P. HEMANTH KUMAR | | |
| | 17U41A0442 | P. JAGANNADHARAO | | |
| | 17U41A0427 | K. SRINIVAS | | |
| | 17U41A0414 | E. BHOGESH | | |
| 4 | 17U41A0410 | D. VANI | DIGITAL PARKING SYSTEM | P.AMRUTA |
| | 17U41A0425 | K. BHARATH KUMAR | | |
| | 17U41A0433 | M. NANI BABU | | |

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|---|---|---|---|---|
| | 17U41A0407 | B. LAVANYA | | |
| | 17U41A0444 | P. CHANDRIKA | | |
| 5 | 17U41A0450 | R. LAKSHMI VINEETHA | REAL TIME VEHICLE TRACKING SYSTEM | ASN VARMA |
| | 17U41A0426 | K. CHANDRA HARSHA | | |
| | 17U41A0428 | K. SATISH KUMAR | | |
| | 17U41A0406 | B. DHARANI | | |
| | 17U41A0454 | S. RAJITHA | | |
| 6 | 17U41A0401 | A.NAVEEN KUMAR | A SECURE IMAGE STEGNOGRAPHY BASED ON RSA ANDLSBMR TECHNIQUE | K.SOMES WARARA O |
| | 17U41A0432 | M. BABY SUMALATHA | | |
| | 17U41A0441 | N. MOHAN RAO | | |
| | 17U41A0431 | M. SAI KRISHNA | | |
| | 17U41A0419 | K. SATISH | | |
| 7 | 17U41A0418 | J. PRAVALLIKA | VEHICLE THEFT CONTROL AND ALCOHOL DETECTIONINTIMATION THROUGH SMS | SK.SHAB ENA |
| | 17U41A0409 | D. ALEKHYA | | |
| | 17U41A0451 | S. SRINIVASA RAO | | |
| | 17U41A0423 | B.DEEPAK SRINIVAS KUMAR | | |
| | 17U41A0455 | S. SAIRAM | | |
| 8 | 17U41A0420 | K. PAVAN SAITEJA | | |

| | | | | |
|---|---|---|---|---|
| | 17U41A0448 | P. SIRISHA | SPEED ESTIMATION OF VEHICLE | M.KISHORE KUMAR |
| | 17U41A0439 | N. KUSAL KUMAR | INTELLIGENT TRAFFIC SURVELLIANCE SYSTEM VIDEO IMAGE PROCESSING | |
| | 17U41A0436 | M. ASHOK | | |
| | 17U41A0412 | D.DEDEEPYA | | |
| 9 | 17U41A0440 | N. SIRISHA | GAIT RECOGNITION SYSTEM USING GAIT ENERGY IMAGE DECOMPOSITION METHOD | B.T.ARCHANA |
| | 17U41A0415 | G. SAI GANESH | | |
| | 17U41A0443 | P.Teja | | |
| | 17U41A0403 | B.NARENDRAA SHOK | | |
| | 17U41A0408 | C.SRITHA RAMALAKSHMI | | |
| 10 | 17U41A0435 | G.VENKATA SAI ARUN KUMAR | ROBUST DIGITAL IMAGE WATER MARKING IN FREQUENCYDOMAIN BPNN | P.JAGAN MOHAN |
| | 17U41A0437 | N. ALEKHYA | | |
| | 17U41A0402 | A.ROHIT NAIDU | | |
| | *17U41A0456 | S. SANTHOSHI | | |
| 11 | 17U41A0459 | V. HARI CHANDANA | WATER QUALITY MONITORING SYSTEM | S.SURESH KUMAR |
| | 17U41A0457 | SWAMY VASUNDARA | | |
| | 17U41A0460 | V. NAGA DURGA | | |

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|---|---|---|---|---|
| | | NARASIMHA | | |
| | 17U41A0458 | T. RAJASEKHAR | | |
| SNO | ROLL NO | NAME | TITLE | PROJECT GUIDE |
| 1 | 18U45A0421 | T. DIVYA | VEHICLE THEFT CONTROL AND ALCOHOL DETECTIONINTIMATION THROUGH SMS | B.T.ARCH ANA |
| | 18U45A0416 | K. KUSMA | | |
| | 18U45A0413 | K. SIRISHA | | |
| | 17U41A0470 | G. CHANDRAKALA | | |
| | 18U45A0419 | K. CHANDRA MOULI | | |
| 2 | 17U41A0467 | R. BHAVANI | IMAGE SEGMENTATION USING HIS | P.AMRUT A |
| | 18U45A0418 | S. JAGADEESH | | |
| | 18U45A0420 | P.LAHARI PRIYA | | |
| 3 | 18U45A0422 | D. DAMODHARA DINESH | | |
| | 17U41A0461 | V. YAMINI | | |
| | 18U45A0411 | J. SATYAVATHI | | |
| | 18U45A0423 | K. BHAVANASRI | SOCIAL DISTANCE ID CARD | K.JOGI NAIDU |
| | 18U45A0402 | M. BHARATH | | |
| | 17U41A0469 | V. MADHU | | |
| 4 | 17U41A0473 | K. MADHURI | ELECTRONIC CUSTOMER SERVICE | P.JAGAN MOHAN |
| | 18U45A0408 | Y. HEMALATHA | | |
| | 18U45A0427 | L. HARITHA | | |
| | 18U45A0426 | K. NAGARJUNA | | |

| | | | | |
|---|---|---|---|---|
| | 17U41A0472 | K. GANESH | MANAGEMENT SYSTEM USING IoT | |
| 5 | 18U45A0401 | K. YAMINI | DESIGN OF A NEW LOE POWER AND FAST FULL ADDER BY EXPLORING NEW XOR AND XNOR GATE | SK.SHABENA |
| | **17U41A0466 | P. UDAYA BHANU | | |
| | 18U45A0424 | T.RAJU | | |
| | 18U45A0430 | A. SAI KRISHNA | | |
| | 18U45A0407 | S. VARUN BHASKAR | | |
| 6 | 18U45A0405 | N. ARUNASRI | WATER QUALITY MONITORING SYSTEM | M.KASIYAMMAL |
| | 18U45A0415 | K. JAGAN GANAVARDHAN | | |
| | 18U45A0403 | M. BHAGYASRI | | |
| | 18U45A0414 | R. RAJYALAKSHMI | | |
| | 18U45A0409 | A.TEJASWI | | |
| 7 | 18U45A0406 | P. SANTHOSH | SIXTH SENSE ROBOT USING IMAGE GRABBING | K.SOMESWARARAO |
| | 18U45A0428 | E. SHEKHAR | | |
| | 18U45A0410 | A.HEMANTH KUMAR | | |
| | 17U41A0464 | T. SUPRIYA | | |
| | 17U41A0465 | P. KUMAR SWAMY | | |
| 8 | 18U45A0417 | K. VENKATA PRASANNA | SMART BLIND STICK USING ARDUINO | S.SURESH KUMAR |
| | 18U45A0404 | M. MOUNIKA | | |
| | 18U45A0429 | T. BABA | | |
| | 17U41A0463 | L. SUNITHA | | |
| | 18U45A0425 | P. UDAY KUMAR | | |

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|---|---|---|---|---|
| 9 | 17U41A0462 | Y.L.SAI KRISHNA VENI | BLOOD CELL S COUNTING FROM MICROSCOPIC BLOOD IMAGES | M.KISHORE KUMAR |
| | 18U45A0412 | S. DIVYA | | |
| | 17U41A0468 | K.MOUNIKA | | |
| | 17U41A0471 | CH.CHETAN SATYA | | |
| 10 | 17U61A0429 | M.SAI PRIYA | DIGITAL ID CARD | D.L MYTHRI |
| | 18U45A0432 | R.HYMA | | |
| | 18U45A0431 | T.SAI MENAKA | | |
| | 18U45A0433 | V. VENKATA SAI PREMIKA | | |

| Batch No | Regd. No | Name of the Student | Name of the guide | Title |
|---|---|---|---|---|
| 1 | 18U45A0210 | DEVADULA ESWARA SARASWATHI | Mr. K.VIJAY KUMAR | Design of interleaved Buck converter for EV charging |
| | 17U41A0210 | NAGIREDDI RAVITEJA | | |
| | 17U41A0223 | A. BHASKARA GOWTHAM | | |
| | 18U45A0218 | NAKKINA DHANA SAI | | |
| | 17U41A0206 | KESAMSETTI MOHAN BABU | | |
| | | | | |
| 2 | 18U45A0208 | DODDI MANOJ | Mr. K.SRINIVASA RAO | DUAL POWER GENERATION (SOLAR+WIND) |
| | 17U41A0201 | DUPPATLA VENAKTESH | | |
| | 18U45A0202 | ARLE PAVAN KALYAN | | |
| | 17U41A0225 | BEDADI SANKAR | | |

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|---|---|---|---|---|
| | 18U45A0205 | CHADARAM DURGA VENKATESH | | |
| | | | | |
| 3 | 18U45A0220 | PERURI CHANDANA | Mr. A.KRISHNA NAG | Smart car parking using IOT |
| | 18U45A0213 | GOLLAOPUDI MANIKANTA | | |
| | 176K1A0212 | PEBBILI VARALAKSHMI | | |
| | 17U41A0219 | VEDURI LAHITHA | | |
| | 17U41A0218 | UPPALAPU CHANDAN KUMAR | | |
| | | | | |
| 4 | 18U45A0204 | BOTTU SUNEETHA | Mr. T.RAMESH BABU | power quality improvement using D STATCOM |
| | 17U41A0222 | Y. POORNA CHANDRA RAO | | |
| | 17U41A0224 | KONCHADA RAJU | | |
| | 17U41A0203 | GANGAVARAPU MAHESWARI | | |

| | | | | | |
|---|---|---|---|---|---|
| | 18U 45A 0203 | BADAMPUDI RADHA | | | |
| | | | | | |
| Batch No | Regd. No | Name of the Student | Name of the guide | Title | |
| 5 | 17U 41A 0211 | N. KASI VISWANADH | Mr. J.DELEEP KUMAR | Automatic irrigation in DIET campus | |
| | 17U 41A 0212 | PILLA GANGADHAR | | | |
| | 18U 45A 0217 | MEDISETTI KUMAR RAJA | | | |
| | 18U 45A 0209 | DASARI MANOJ KUMAR | | | |
| | 18U 45A 0201 | ADADA JYOSHNA | | | |
| | | | | | |
| 6 | 18U 45A 0215 | MALLA CHARAN TEJA | Mrs. ALFONI JOSE | Transformer overload alert through voice control | |

| | | | | |
|---|---|---|---|---|
| | 17U 41A 0204 | KALAGA NOOKESH | | |
| | 18U 45A 0219 | PADALA MURALI SHANKAR | | |
| | 18U 45A 0212 | ESAMPALLI TARUN KUMAR | | |
| | 18U 45A 0207 | DADI SAI SREENU | | |
| | | | | |
| 7 | 17U 41A 0209 | M MOHANA KRISHNA | Mr. DR.CH. NOOKESH | wireless electric vehicle charging system |
| | 18U 45A 0211 | EROTHI PURNIMA PRIYANKA | | |
| | 17U 41A 0208 | MADEM KIRAN | | |
| | 17U 41A 0207 | KONATHALA SIVA KARTHIK RAO | | |
| | 17U 41A 0226 | K CHAKRA SURENDRA NAIDU | | |
| | | | | |
| 8 | 17U 41A | PRATHI SYAMALA | Mr. G.JAGAD | Over voltage protection using IOT |

| | | | | |
|---|---|---|---|---|
| | 0213 | | EESH | |
| | 17U 41A 0205 | KASIRAJU SRINIVAS | | |
| | 17U 41A 0217 | U. NAGENDRA PRASAD | | |
| | 17U 41A 0202 | CHEBOLU LAKSHMI PRASANNA | | |
| | 17U 41A 0214 | PUDI SOMESH | | |
| | | | | |
| 9 | 18U 45A 0206 | CHESETTY YAMINI PRASANNA DALISHA | Alfoni jose | vehicle accident prevention and detection |
| | 18U 45A 0216 | MATHURTHI VENKATESH | | |
| | 18U 45A 0214 | KOCHERLAKOTA SAI MANI KRISHNA | | |
| | 17U 41A 0216 | SHIVAM PANDEY | | |
| | 17U 41A 0215 | SETHINI SUNITHA | | |
| Ba | Regd. No | Name of the Student | Name of the guide | Title |

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|---|---|---|---|---|
| t c h N o | | | | |
| 10 | 18U 45A 0240 | ADAPA BHARATHI | Mr. T.RAMESH BABU | Grid interconnection of renewable energy sourses at the distribution level |
| | 18U 45A 0263 | DIMILI SANTHOSH SAI GANESH | | |
| | 18U 45A 0248 | U. UMA MAHESWARA RAO | | |
| | 18U 45A 0252 | U. H. V. SIMHACHALA SAI | | |
| | 18U 45A 0247 | PERURI MANIKANTA | | |
| | | | | |
| 11 | 18U 45A 0242 | LALAM HARITHA | Mr.K.VIJAY KUMAR | Arduino based android controlled Robotic arm<br>3.50-4.10PM |
| | 18U 45A 0231 | PENTAKOTA MOUNIKA | | |
| | 18U 45A 0251 | KANDREGULA JAYA SAGAR | | |

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|---|---|---|---|---|
| | 18U45A0260 | ADARI KIRAN | | |
| | 18U45A0261 | KARANAM JANARDHAN RAO | | |
| | | | | |
| 12 | 18U45A0232 | KANDREGULA MANJUSHA | Mr. K.SRINIVASA RAO | Alert system for specially abled people |
| | 18U45A0223 | PUDI NAVEEN KUMAR | | |
| | 18U45A0228 | YELLAPU HOMESH | | |
| | 18U45A0227 | TALARI TEJESWAR | | |
| | 18U45A0239 | CH. N. SATYA ADI SEKHAR | | |
| | | | | |
| 13 | 18U45A0245 | BADAMPUDI DIVYA | Mr. J.DELEEP KUMAR | Automatic irrigation in DIET campus |
| | 18U45A0221 | P. DURGA MAHA LAKSHMI | | |
| | 18U45A | KARU SIVAJI | | |

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|---|---|---|---|---|
| | 0250 | | | |
| | 18U 45A 0259 | KALLA VENKATA GANESH | | |
| | 18U 45A 0253 | ANGULURI VIJAY KUMAR | | |
| | | | | |
| Batch No | Regd. No | Name of the Student | Name of the guide | Title |
| 14 | 18U 45A 0229 | P. DHARANI PRIYANKA | Mrs. ALFONI JOSE | cascaded HH bridge multilevel inverter by reduced number of switches |
| | 18U 45A 0262 | CHITIKELA DURGA PRASAD | | |
| | 18U 45A 0236 | PAILA LALITHA | | |
| | 18U 45A 0249 | BUDDHA GOPICHAND | | |
| | 18U 45A 0238 | DADI MADHAN KUMAR | | |

| | | | | |
|---|---|---|---|---|
| 15 | 18U45A0254 | B. VENKATA APARNA | Mr. G.JAGADESH | automatic on and off of irrigation pump using iot technology |
| | 18U45A0224 | RONGALI APPALARAJU | | |
| | 18U45A0256 | ADDURI SRINU | | |
| | 18U45A0222 | PORIPIREDDY SRINU | | |
| | 18U45A0258 | KOMMURI RAJESH | | |
| 16 | 18U45A0255 | SAYYAPUREDDI SAI | Mr. DR.CH.NOOKESH | Home automation using IOT |
| | 18U45A0244 | KOTA PAVAN KALYAN | | |
| | 18U45A0226 | SUNKARI SURESH | | |
| | 18U45A0237 | GANDI KASUBABU | | |
| | 18U45A | ADIGARLA SAI KISHORE | | |

| | | | | |
|---|---|---|---|---|
| | 0264 | | | |
| | | | | |
| 17 | 18U 45A 0235 | THOTA PURNA CHAND | Mr. CH.RAVI KUMAR | CNC drawing machine |
| | 18U 45A 0234 | YERIPALLI DILEEP KUMAR | | |
| | 18U 45A 0230 | SOPETI AKHIL | | |
| | 18U 45A 0233 | VANATAKU AYYAPPA SWAMI | | |
| | 18U 45A 0243 | SURISETTY PAVAN KUMAR | | |
| | | | | |
| 18 | 18U 45A 0241 | ILLAPU SRAVAN KUMAR | Ms.P. Jagruthi | Flex sensor based smart glove for specially abled |
| | 18U 45A 0257 | MUNSHI FAIZ AMAN ALI | | |
| | 18U 45A 0246 | GOLLAPUDI MANOJ | | |
| | 18U 45A 0265 | ALLA ROYAL PREM | | |

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| S. No | Batch No | Roll No | Name of the student | Name of the Guide | Project Title |
|---|---|---|---|---|---|
| 1 | Batch No 1 | 18U45A0127 | BEESETTI NARSINGARAO | P Lavanya | IMPACT OF COCONUT FIBER AND RICE HUSK ASH ON FLY ASH BRICKS |
| 2 | | 18U45A0128 | KOMARA ANIL | | |
| 3 | | 18U45A0137 | BUDDHA LAXMANA | | |
| 4 | | 17U41A0107 | KALINGA LAVANYA | | |
| 5 | | 18U45A0146 | REJETTI BHANU PRAKASH | | |
| 6 | Batch No 2 | 18U45A0125 | NELLURI TEJA | N Ramu | EFFECT ON COMPRESSIVE STRENGTH OF CONCRETE USING SEA SAND AS A PARTIAL REPLACEMENT FOR FINE AGGREGATE |
| 7 | | 18U45A0133 | N SAI MANIKANTA | | |
| 8 | | 18U45A0101 | BODDEDA PRAHARSHITHA | | |
| 9 | | 18U45A0121 | PILLA RAKESH | | |
| 10 | | 18U45A0129 | MOGALLI SRINU | | |
| 11 | Batch No 3 | 18U45A0118 | KARRI GANESH | M RSVG Guptha | An overview on improving Self-Healing Concrete(S-H-C) Mechanism with Slag materials |
| 12 | | 17U41A0102 | KARE GOVINDU | | |
| 13 | | 18U45A0120 | GEDELA YAMUNA | | |
| 14 | | 18U45A0142 | KARUR ANIL KUMAR | | |
| 15 | | 18U45A0116 | VARADHI RAVITEJA | | |
| 16 | Batch No 4 | 18U45A0126 | KONATHALA MOHAN | M RSVG Guptha | Experimental study on Rubberized concrete with Bead wire as alternative for Steel Reinforcement |
| 17 | | 18U45A0108 | VEERNI PRASANNA SAI | | |
| 18 | | 18U45A0141 | BOGADI CHAKRAVARTHY | | |
| 19 | | 18U45A0145 | MAMIDI SAI | | |
| 20 | | 18U45A0123 | PASUPUREDDI SOMESH | | |
| 21 | | 18U45A0132 | POLAMARASETTY DIVYA | | |
| 22 | Batch No 5 | 17U41A0101 | BHARNIKANA VIJAYA KUMAR | DV Shanmukesh | An Experimental Study To Find The Deflection Of A Rectangular Slab When Replace The Fine Aggregate With Plastic Waste |
| 23 | | 18U45A0114 | DRONAMRAJU SRAVANTHI | | |
| 24 | | 18U45A0110 | JAGARAPU DURGA DEVI | | |
| 25 | | 18U45A0106 | MEDAPUREDDI GANESH | | |
| 26 | | 18U45A0149 | PATNALA MANIKANTA SHYAM | | |
| 27 | Batch No 6 | 18U45A0136 | RONGALA MANIKANTA | Mr. K Chaitanya | An experimental study on partial replacement of coarse aggregate by waste rubber |
| 28 | | 18U45A0111 | YERRAMSETTY SAI SANKAR | | |
| 29 | | 18U45A0139 | YERLANKI DAMODARA RAO | | |
| 30 | | 18U45A0147 | GONTHINA JAYAVARDHAN | | |
| 31 | | 18U45A0112 | YALLABILLI RAMESH | | |
| 32 | Batch No 7 | 18U45A0135 | MADAGALA RAMU | Mrs. Manoharini | AN EXPERIMENTAL STUDY ON SELF COMPACTING CONCRETE BY USING RECYCLED AGGREGATES |
| 33 | | 18U45A0122 | LALAM SANTHI | | |
| 34 | | 18U45A0104 | KALAHASTI NEERAJA RANI | | |
| 35 | | 18U45A0113 | KALAM SHEKAR | | |
| 36 | | 17U41A0109 | NANDA NIKHIL KUMAR | | |
| 37 | Batch No 8 | 18U45A0103 | BODI MEGHANA | K Appala Naidu | IMPACT OF FLY ASH AND COCONUT FIBER ON M30 GRADE CONCRETE |
| 38 | | 18U45A0138 | BUDDHA RAMU | | |
| 39 | | 18U45A0150 | GANDEPALLI ROHITH | | |
| 40 | | 18U45A0115 | AMMUJURI VENKATESH | | |
| 41 | | 17U41A0103 | VANUMU SIVA MADHURI | | |

| | | | | | |
|---|---|---|---|---|---|
| 42 | Batch No 9 | 18U45A0144 | KUNCHA MANIKANTA | N Ramu | Reducing the seismic wave action on building by using advanced techniques |
| 43 | | 18U45A0102 | BODDEDA THARUNA SAI SREE | | |
| 44 | | 18U45A0107 | P DILIP KUMAR | | |
| 45 | | 18U45A0148 | MANEPALLI SAI KUMAR | | |
| 46 | | 17U41A0108 | BUDDHA PAVAN KONDALARAO | | |
| 47 | Batch No 10 | 18U45A0131 | BASANABOINA DEVI | NEW FACULTY | STEEL SLAG AS A REPLACEMENT OF FINE AGGREGATE IN HIGH STRENGTH CONCRETE |
| 48 | | 17U41A0110 | KONDRU DEVI | | |
| 49 | | 18U45A0117 | DADI SRIRAM | | |
| 50 | | 17U41A0105 | V KRANTHI KIRAN KUMAR | | |
| 51 | | 18U45A0151 | SEEMUSIRI UMA MAHESH | | |
| 52 | Batch No 11 | 18U45A0119 | KARRI ROOP CHANDU | Mrs. B Sudheer Kumar | AN EXPERIMENTAL STUDY ON REACTIVE POWDER CONCRETE |
| 53 | | 18U45A0143 | PADALA KUMAR | | |
| 54 | | 18U45A0105 | KANIKELLA RAMYA | | |
| 55 | | 18U45A0109 | BALLA RAMESH | | |
| 56 | | 16U41A0105 | GURRI SIMHACHALAM NAIDU | | |

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## CONTACTLESS VISITOR MANAGEMENT SYSTEM USING RASPBERRY PI

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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| M.Lavanya | 17U41A0583 |
| V.Sirisha | 17U41A05A3 |
| K.Vanaja | 18U45A0505 |
| R.Laxmi Harsha Priya | 17U41A0593 |
| S.Chaitanya | 17U41A0595 |


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**2021**

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## CERTIFICATE

This is to certify that the Project work entitled "CONTACTLESS VISITOR MANAGEMENT SYSTEM USING RASPBERRY PI" is being submitted by M.LAVANYA (17U41A0583), K.VANAJA (18A45A0505), V.SIRISHA (17U41A05A3), R.LAXMI HARSHA PRIYA (17U41A0593), S.CHAITANYA (17U41A0595) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-21.

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## 5G SMART DIABETES PREDICTION USING MACHINE LEARNING

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

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| K.SRUTHI | 17U41A0573 |
| M.RAMESH | 17U41A0581 |
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This is to certify that the Project work entitled **"5G SMART DIABETES PREDICTION USING MACHINE LEARNING"** is being submitted by O.KIRANMAYI (17U41A0589), B.JYOTHI (17U41A0565), K.SRUTHI (17U41A0573), M.RAMESH (17U41A0581), P.BHANU PRAKASH (17U41A0596) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in **COMPUTER SCIENCE & ENGINEERING** during the academic year 2020-21.

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## AUTOMATIC SOLAR STREET LIGHT MONITORING AND CONTROL SYSTEM USING IOT

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

**BACHELOR OF TECHNOLOGY**

IN

**COMPUTER SCIENCE AND ENGINEERING**

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This to certify that the project work entitled "**AUTOMATIC SOLAR STREET LIGHT MONITORING AND CONTROL SYSTEM USING IOT**" is being submitted by A.NAVYA (17U41A0562), K.SRI MANVITHA (17U41A0571), D.BINDU PRIYA (17U41A0568), Y.SRINIVAS (17U41A0599), K.SAI SAMPTH (18U45A0506) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for **COMPUTER SCIENCE &ENGINEERING** during the academic year 2020-2021.

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This is to certify that the Project work entitled "**DIET International Journal of Engineering Sciences and Technology Website (DIJEST Website)**" is a being submitted by M.REVATHI SAI CHANDU (17U41A05A4), M.SWETHA PRIYA (17U41A0586), K.PRIYANKA (17U41A0577), L.JOSHI (17U41A0578), K.SWATHI (17U41A0572) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for **COMPUTER SCIENCE & ENGINEERING** during the academic year 2020-21.

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## IN

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| B.KASI ANNAPOORNA DEVI | 17U41A0508 |
| K.VENKAT SAI DINESH | 17U41A0523 |
| K.LOKESH | 17U41A0527 |


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## HOUSE PRICE PREDICTION USING REGRESSION

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

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**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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| K.SRI NOOKA NANDA | (17U41A0526) |
| M.SRAVANI | (17U41A0544) |

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This is to certify that the Project work entitled "House Price Prediction Using Regression" is a being submitted by K.DEVAKI (17U41A0529), K.JYOSHNA (17U41A0535), M.SAI PRASANTH (17U41A0540), K.SRI NOOKA NANDA (17U41A0526), M.SRAVANI (17U41A0544) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-21.

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# Artificial and Automated Agricultural Activities using IOT

*A Project report submitted in partial fulfilment of the requirements for the degree of B. Tech in Computer Science and Engineering*

*By*


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**P.Deepthi Devi (17U41A0591)**

**M. Sonia (17U41A0582)**

**P. Charishma (17U41A05A1)**

**S. Priyanka (17U41A0561)**

*Under the supervision of*

**Dr. M. Srinivas Rao sir Professor**

**Department of COMPUTER SCIENCE and ENGINEERING**



*Department of COMPUTER SCIENCE AND ENGINEERING*

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

NH-16 ROAD, ANAKAPALLE, VISAKHAPATNAM – 531002, ANDHRA PRADESH

JAWAHARLAL NEHRU TECHNOLOGICAL University KAKINADA (JNTUK) 2021.

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## Certificate

This is to certify that the project work entitled ARTIFICIAL AND AUTOMATED AGRICULTURAL SYSTEMS USING IOT is the bona fide work carried out by Y.MOUNIKA BHAVANI (17U41A0598) and P.DEEPTHI DEVI (17U41A0591) AND P.CHARISHMA (17U41A05A1), S.PRIYANKA(17U41A0561) & M.SONIA(17U41A0582) OF in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-21.

**Signature of the Guide**

**Name: DR.M. Srinivas Rao**

**Designation:** Professor

**Signature of the HOD**

**Name: DR. Prasanna Kumar**

**Designation:** Professor & HOD

**Signature of the External**

**Examiner Name:**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## IOT BASED FLOOD DETECTION SYSTEM

*A Project report submitted in partial Fulfilment of the requirement for the award of Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE & ENGINEERING**

Submitted by


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| M.APARNA | 17U41A0579 |
| M.POORNIMA | 17U41A0588 |
| B.SIVA PRASAD | 17U41A0563 |
| M.SAILAJA | 17U41A0585 |
| I.RAMU | 18U45A0503 |


Under the Esteemed Guidance of

**Mr.Y DINESH KUMAR**

Assistant Professor, Department of CSE


**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**

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**NH-5, Anakapalle-531002, Visakhapatnam, AP.**


**2021**

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## CERTIFICATE

This is to certify that the project work entitled **"IOT BASED FLOOD DETECTION SYSTEM"** is a being submitted by M.APARNA (17U41A0579) M.POORNIMA (17U41A0588), B.SIVA PRASAD (17U41A0563), M SAILAJA (17U41A0585), I.RAMU (18U45A0503) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in Computer Science & Engineering, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

**Mr.Y DINESH KUMAR**
**(ASSISTANT PROFESSOR)**
(PROJECT GUIDE)

**Dr. L PRASANNA KUMAR**
**(PROFESSOR)**
**(HEAD OF THE DEPARTMENT)**

Head of the Department
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**EXTERNAL EXAMINER**

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

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## MOTION BASED VEHICLE COUNTING USING OPENCV AND PYTHON

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted By*


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| S.Manvitha | 17U41A0553 |
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*Under the Esteemed Guidance of*

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## CERTIFICATE

This is to certify that the Project work entitled "MOTION BASED VEHICLE COUNTING USING OPENCV AND PYTHON" is a being submitted by M.BALAKRISHNA (17U41A0503), P.KARTHIKNAIDU (17U41A0549), P.LALITHA (17U41A0550), S.MANVITHA (17U41A0553), K.SHAMINI (17U41A0524), in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-2021.

**Dr.L.PRASANNA KUMAR**
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# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## MASK DETECTION AND TEMPERATURE CALCULATION USING RASPBERRY PI

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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

## CERTIFICATE

This is to certify that the Project work entitled "MASK DETECTION AND TEMPERATURE CALCULATION USING RASPBERRY PI" is being submitted by K.L.L.G.S.JANAKI (17U41A0507), U SAI SREERAM (17U41A0555), S LEKHA SRI (17U41A0552), K KEERTHANA (17U41A0525), Y DHARANI (17U41A0559) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-21.

**Mr.CH.DINESH**
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## VEHICLE SECURITY SYSTEM THROUGH FACE RECOGNITION

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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*Under the Esteemed Guidance of*

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This is to certify that the Project work entitled "VEHICLE SECURITY SYSTEM THROUGH FACE RECOGNITION" is a being submitted by N.MANIMALA (17U41A0546), A.HARITHA (17U41A0502), G.RISHITHA (17U41A0519), V.SREENU (17U41A0557), R.PAVANSUTHA (17U41A0551) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-21.

**Mr.RAMARAJU.S.V.S.V.P**
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## UNIVERSITY ADMISSION PREDICTION WITH MACHINE LEARNING

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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This is to certify that the Project work entitled "University Admission Prediction With Machine Learning" is a being submitted by K. MOUNIKA (17U41A0530), V.TEJASWI (17U41A0556), CH.THULASI LAKSHMI (17U41A0532), K.TANUJA (17U41A0536), B.DURGA PRASANTH SUNDAR (17U41A0504) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-21.

**Mrs.T.SUJATHA**
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## AUTOMATION OF RESEARCH & DEVELOPMENT CELL

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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| **K.LAVANYA** | **17U41A0531** |
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| **K.NAVYASRI** | **17U41A0537** |


*Under the Esteemed Guidance of*

**Dr. K. SUJATHA**

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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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## CERTIFICATE

This is to certify that the Project work entitled **"AUTOMATION OF RESEARCH & DEVELOPMENT CELL"** is a being submitted by V.HIMAPRIYA(17U41A0558),CH.SRIHITHA(17U41A0512),K.LAVANYA(17U41A0531),M.HANISHKA(17U41A0520), K.NAVYASRI(17U41A0537)in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for **COMPUTER SCIENCE & ENGINEERING** during the academic year 2020-2021.

**Dr. K. SUJATHA**
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## ONLINE SMART VILLAGE DEVELOPMENT MONITORING SYSTEM

*A Project Report submitted in partial fulfilment of the Requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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**2021**

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## CERTIFICATE

This is to certify that the Project work entitled **"Online Smart Village Development Monitoring System"** is a being submitted by K LOHITHA(17U41A0534), B MADHURI KAMALA VIJAYA LAKSHMI (17U41A0510), E TEJASRI (17U41A0514),G SAI AKSHAY (17U41A0518), L MOULI (17U41A0539) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for **COMPUTER SCIENCE & ENGINEERING** during the academic year 2020-21.

**Dr.M.SRINIVASARAO**
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## INNOVATION AND INCUBATION CENTRE

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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*Under the Esteemed Guidance of*

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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

**2021**

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## CERTIFICATE

This is to certify that the Project work entitled **"INNOVATION AND INCUBATION CENTRE"** is a being submitted by K. BHANU PRASANNA (17U41A05A2), P. SAISREE (17U41A0590), V. VENKAT SWAROOP (17U41A0597), K. MADHU (17U41A0576), S. PAWAN KALYAN (18U45A0504) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for **COMPUTER SCIENCE & ENGINEERING** during the academic year 2020-2021.

**Dr. K. SUJATHA**
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## Automatic Traffic Sign Recognition, Classification And Alert System Using CNN

*A project report submitted in partial fulfilment of the requirements for the award of the degree of*

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**COMPUTER SCIENCE AND ENGINEERING**

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| Chittibonu Sree Harika | 17U41A0567 |
| Mosuri Janaki Srivalli | 17U41A0587 |
| Juttika OmSai | 18U45A0502 |
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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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This is to certify that project work entitled **"Automatic Traffic Sign Recognition, Classification And Alert System"** is being submitted by B. Divya Durga(18U45A0501), J.OmSai(18U45A0502),Ch.SreeHarika(17U41A0567),M.Janaki(Srivalli(17U41A0587), V.Bhanu(18U45A0507), K.L.S.Krishna Teja(16U41A0539) in partial fulfillment of the requirement for the award of the degree of BATCHELOR OF TECHNOLOGY for COMPUTER SCIENCE & E during the ENGINEERING academic year 2020-2021

DR.L. PRASANNA KUMAR

(ASSOCIATE PROFESSOR)

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DR.L. PRASANNA KUMAR

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EXTERNAL EXAMINER

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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

**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## MACHINE LEARNING BASED SMART INDUSTRIAL AUTOMATION USING HYBRID ARCHTECTURE

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

**BACHELOR OF TECHNOLOGY**

*in*

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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| S.M.HAJERA | 17U41A0594 |
| P.SURYA PRABHA | 17U41A0592 |
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DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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**2017-2021**

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## CYBER BULLYING DETECTION BASED ON SEMANTIC-ENHANCED MARGINALIZED DENOISING AUTO-ENCODER

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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## CERTIFICATE

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## FLOOD MITIGATION SYSTEM

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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## SMART HEALTH CARE MONITORING SYSTEM

## USING IoT

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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## CERTIFICATE

This is to certify that the Project work entitled "SMART HEALTH CARE MONITORING SYSTEM USING IOT" is a being submitted by A ASWANI CHOONANDA (17U41A0501), I PRANAY SAI VARMA (17U41A0521), K SATYA SAI SANTHOSH (17U41A0538), K BHAVYA (17U41A0506), P PRAVALLIKA (17U41A0547) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2020-21.

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## VEHICLE THEFT CONTROL AND ALCOHOL DETECTION INTIMATION THROUGH SMS

A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF TECHNOLOGY IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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## CERTIFICATE

This is to certify that the project work entitled "VEHICLE THEFT CONTROL AND ALCOHOL DETECTION INTIMATION THROUGH SMS" is being submitted by J.PRAVALLIKA (17U41A0418), D.ALEKHYA (17U41A0409), S.SRINIVASA RAO (17U41A0451), B.DEEPAK SRINIVAS KUMAR (17U41A0423), S.SAI RAM (17U41A0455) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

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## BLOOD CELLS DETECTION AND COUNTNG FROM MICROSCOPIC BLOOD IMAGES

A Project Report submitted in partial fulfilment of the Requirements forthe award of the Degree of Bachelor of Technology In

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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| S.Divya | 18U45A0412 |
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This is to certify that the Project work entitled **"BLOOD CELLS DETECTION AND COUNTING FROM MICROSCOPIC BLOOD IMAGES "** is being submitted by Y.Lavanya(17U41A0462), S.Divya(18U45A0412), K.Mounika(17U41A0468), Ch.Chetan satya(17U41A0471) by in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

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EXTERNAL EXAMINER

## VEHICLE THEFT CONTROL AND ALCOHOL DETECTION INTIMATION THROUGH SMS

A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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EXTERNAL EXAMINER

## IDENTIFYING AND CLASSIFICATION OF GAIT IMAGES USING GEI DECOMPOSITION AND SVM

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

**BACHELOR OF TECHNOLOGY IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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This is to certify that the project work entitled "IDENTIFYING AND CLASSIFICATION OF GAIT IMAGES USING GEI DECOMPOSITION AND SVM" is being submitted by N.SIRISHA (17U41A0440), CH.SRITHA RAMALAKSHMI (17U41A0408), P.TEJA (17U41A0443), G.SAI GANESH (17U41A0415), B.NARENDRA ASHOK (17U41A0403) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

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## ROBUST IMAGE WATERMARKING IN FREQUENCY DOMAIN USING BACK PROPAGATION NEURAL NETWORKS

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

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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NH-5, Anakapalle-531002, Visakhapatnam, A.P 2020-2021

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## ESP32 CAM BASED SURVEILLANCE SPY CAR

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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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 "ESP32 CAM BASED SURVEILLANCE SPY CAR" is being submitted by PREETI SAH (17U41A0447), B DIVYA MAHIMA (17U41A0404), P JANARDHAN (17U41A0445), S BHAVANI (17U41A0452), and S NAGAMANI (17U41A0453) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2020-2021.

**Mrs M. KASIVAMMAL**
**(ASST.PROFESSOR)**
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**Mr K. JOGI NAIDU**
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NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## ARDUINO BASED WATER QUALITY MANAGEMENT SYSTEM

*A Project Report submitted in fulfillment of the requirements for the award of the Degree of* BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING.

Submitted by


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| V.HARICHANDANA | 17U41A0459 |
| S. VASUNDHARA | 17U41A0457 |
| V.N.D.N. PAVAN | 17U41A0460 |

Under the Esteemed Guidance of

Mr. S. SURESH KUMAR

M. Tech

Asst. Professor, Department of ECE



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2020-2021

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Mr. S.SURESHKUMAR
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EXTERNAL EXAMINER

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## ANDROID BASED REAL TIME VEHICLE TRACKING SYSTEM

A project report submitted in partial fulfillment of the requirement for award of the degree of

Bachelor of Technology

In

ELECTRONICS AND COMMUNICATIONS ENGINEERING

*Has been jointly carried out by*


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| R.LAXMI VINEETHA | 17U41A0450 |
| K.CHANDRA HARSHA | 17U41A0426 |
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## Department of Electronics & Communication Engineering

## CERTIFICATE

This is to certify that the project work entitled " ANDROID BASED REAL TIME VEHICLE TRACKING SYSTEM " is a bonafied work of R. LAXMI VINEETHA , K. CHANDRA HARSHA , B.DHARANI, K. SATISH KUMAR, S.RAJITHA Bearing Regd.No's: 17U41A0450, 17U41A0426, 17U41A0407, 17U41A0428, 17U41A0454 has submitted in the partial fulfillment of the requirements for the award of Bachelor of Technology in " Electronics & Communications Engineering " during the academic year 2020-2021.

Project Guide
Er. A.S.N. Varma, M.Tech.
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P Poorna Priya 30/7/21

Head of the Department
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## Blind People Supporting System using Arduino

**A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**ENGINEERING**

Submitted by


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| K. VENKATAPRASANNA | 18U45A0417 |
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## CERTIFICATE

This is to certify that the Project work entitled "BLIND PEOPLE SUPPORTING SYSTEM" is being submitted by K. VENKATAPRASANNA (18U45A0417), M. MOUNIKA (18U45A0404), T. BABA (18U45A0429), L. SUNITHA (17U41A0463), P. UADY KUMAR (18U45A0425) by in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

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**Mr. S. SURESH KUMAR**

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(PROJECT GUIDE)

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## ARDUINO BASED WATER QUALITY MANAGEMENT SYSTEM

***A Project Report submitted in fulfillment of the requirements for the award of the Degree of***
**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATIONS ENGINEERING**

Submitted by


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2021

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**NH-16, Anakapalle-531002, Visakhapatnam,AP**

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## CERTIFICATE

This is to certify that the Project work entitled "ARDUINO BASED WATER QUALITY MANAGEMENT SYSTEM"is being submitted by N.ARUNASREE(18U45A0405),K.J.GANAVARDHAN(18U45A0415), A.TEJASWI(18U45A0409),M.BHAGYASRI(18U45A0403),RAJYALAXMI (18U45A0414) in fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2020-2021.

**Mrs.M.KASIYAMMAL**
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**Mr. K.JOGINAIDU**
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EXTERNAL EXAMINER

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## SOCIAL DISTANCING ID CARD

***A Project Report submitted in partial fulfillment of the Requirements for the award of the degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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2021

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## CERTIFICATE

This is to certify that the project work entitled "SOCIAL DISTANCING ID CARD" is being submitted by V.YAMINI (17U41A0461), J.SATYAVATHI (18U45A0411), K.BHAVANASREE (18U45A0423), M.BHARATH (18U45A0402) V.MADHU (17U41A0461) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS &COMMUNICATION ENGINEERING during the academic year 2020- 2021.

**Mr. K.JOGI NAIDU**
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## DESIGN OF A NEW LOW-POWER AND FAST FULL ADDER BY EXPLORING NEW XOR AND XNOR GATES

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

***Submitted by***


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| K. YAMINI | 18U45A0401 |
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*Under the Esteemed Guidance of*

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


## CERTIFICATE

This is to certify that the project work entitled "DESIGN OF A NEW LOW- POWER AND FAST FULL ADDER BY EXPLORING NEW XOR AND XNOR GATES" is being submitted by K. YAMINI (18U45A0401), P. UDAY BHANU (17U41A0466), T. RAJU (18U45A0424), A. SAI KRISHNA (18U45A0430), S. VARUN BHASKHAR (18U45A0407) by in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

**Ms. SHEIK SHABEENA**
**(ASSISTANT PROFESSOR)**
(PROJECT GUIDE)

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EXTERNAL EXAMINER

## DIGITAL PARKING SYSTEM

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

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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NH-5, Anakapalle-531002, Visakhapatnam, A.P 2020-2021

## CERTIFICATE

This is to certify that the project work entitled "DIGITAL PARKING SYSTEM" is being submitted by D. VANI (17U41A0410), K.BHARATHKUMAR (17U41A0425), M. NANIBABU (17U41A0433), B.LAVANYA(17U41A0407), P.CHANDRIKA (17U41A0444) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2020-2021

PROJECT GUIDE
Mrs. P. AMRUTHA
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EXTERNAL EXAMINER

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## SIXTH SENSE ROBOT BY USING IMAGE GRABBING

*A Project report submitted in partial fulfilment of the requirements for the award of Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

**Submitted by**


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Under the Esteemed Guidance of

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National Highway-16, Anakapalli-531002, Vishakhapatnam Dist., A.P


## CERTIFICATE

This is to certify that project entitled "SIXTH SENSE ROBOT BY USING IMAGE GRABBING", being submitted by P.SANTOSH (18U45A0406), E.SEKHAR (18U45A0428), A.V HEMANTH KUMAR (18U45A0410), T.K SUPRIYA (17U41A0464), P.KUMARSWAMY (17U41A0465) in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this thesis have not been submitted to any other University or institute for the award of any degree or diploma.

**Mr.K S N V Someswara Rao**
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**EXTERNAL EXAMINER**

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## DESIGN AND ANALYSIS OF 2×2 MIMO ANTENNA

*A Project Report submitted in partial fulfillment of the requirements*

*for the award of the Degree of* BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING


Submitted by

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| D.SEETARAMA MURTHY | 17U41A0413 |
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Under the Esteemed Guidance of

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2020-2021

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

2020-2021

## CERTIFICATE

This is to certify that the Project work entitled "DESIGN AND ANALYSIS OF 2×2 MIMO ANTENNA" is being submitted by D SEETARAMA MURTHY (17U41A0413), K SRINIVAS (17U41A0427), P JANARDHAN (17U41A0442), P HEMANTH (17U41A0446), E BHOGESH (17U41A0414) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2020-2021.

Mr. R. SUNEEL KUMAR
(ASST.PROFESSOR)
(PROJECT GUIDE)

Dr. P. POORNA PRIYA
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)

## SPEED ESTIMATION OF VEHICLE IN INTELLIGENT TRAFFIC SURVEILLANCE SYSTEM USING VIDEO IMAGE PROCESSING

*A Project Report submitted in partial fulfillment of the Requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY

IN

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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| K. Pavan Sai Teja | 17U41A0420 |
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*Under the Esteemed Guidance of*

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***2020-2021***

## DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

## CERTIFICATE

This is to certify that the Project work entitled **"SPEED ESTIMATION OF VEHICLE IN INTELLIGENT TRAFFIC SURVEILLANCE SYSTEM USING VIDEO IMAGE PROCESSING"** is a being submitted by K. Pavan Sai Teja (17U41A0420), P. Sirisha (17U41A0448), N. Kusal Kumar (17U41A0439), D. Dedeepya (17U41A0412), M. Ashok Kumar (17U41A0436) in partial fulfilment of the requirements for the award of the BACHELOR OF TECHNOLOGY in ELECTRONICSANDCOMMUNICATION during the academic year 2020-2021.

**Mr. MALLA. Kishore Kumar**
(Asst.Professor)
Project guide

**DR.Poorna Priya**
(Associate Professor)
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**EXTERNAL EXAMINER**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## ELECTRONIC CUSTOMER SERVICE MANAGEMENT SYSTEMS

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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| **K. MADHURI** | **17U41A0473** |
| **Y. HEMALATHA** | **18U45A0408** |
| **L. HARITHA** | **18U45A0427** |
| **K. NAGARJUNA** | **18U45A0426** |
| **K. GANESH** | **17U41A0472** |


*Under the Esteemed Guidance of*

**Dr. P. POORNA PRIYA**

Associate Professor, Department of ECE


**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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**2021**

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## CERTIFICATE

This is to certified that the project work entitled "ELECTRONIC CUSTOMER SERVICE MANAGELEMNT SYSTEM "is a being submitted by K. MADHURI (17U41A0473), Y. HEMALATHA (18U45A0408), L. HARITHA (18U45A0427), K. NAGRJUNA (18U45A0426), K. GANESH (17U41A472) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

**Dr. P. POORNA PRIYA**
**(ASSOCIATE PROFESSOR)**
(PROJECT GUIDE)

**MR. K. JOGI NAIDU**
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(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# ARRAY PATTERN SYNTHESIS USING UNIFORM AND NON-UNIFORM AMPLITUDE DISTRIBUTIONS

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**
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NH-5, Anakapalle-531002, Visakhapatnam, A.P


2020-2021

## CERTIFICATE

This is to certify that the Project work entitled "ARRAY PATTERN SYNTHESIS USING UNIFORM AND NON-UNIFORM AMPLITUDE DISTRIBUTIONS" is a being submitted by B.SAI CHARAN (17U41A0405), K. ROOPA (17U41A0421), M. SRINU (17U41A0434), K. SRAVANI (17U41A0429), and K. MADHURI (17U41A0438) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

**Dr. J. BABU**

**( PROFESSOR )**

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**Dr. P. POORNA PRIYA**

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EXTERNAL EXAMINER

## ELECTRONIC CUSTOMER SERVICE MANAGEMENT SYSTEMS

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

**Submitted by**


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2021

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


## CERTIFICATE

This is to certified that the project work entitled "ELECTRONIC CUSTOMER SERVICE MANAGELEMNT SYSTEM "is a being submitted by K. MADHURI (17U41A0473), Y. HEMALATHA (18U45A0408), L. HARITHA (18U45A0427), K. NAGARJUNA (18U45A0426), K. GANESH (17U41A472) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY AND COMMUNICATION ENGINEERING during the academic year 2020-2021.

P. Poorna Priya 26/7/21

**Dr. P. POORNA PRIYA**

**(ASSOCIATE PROFESSOR)**

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P. Poorna Priya 26/7/21

**K. JOGI NAIDU**

**(ASSOCIATE PROFESSOR)**

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EXTERNAL EXAMINER

## SOCIAL DISTANCING ID CARD

***A Project Report submitted in partial fulfillment of the Requirements for the award of the degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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| R.HYMA | 18U45A0432 |
| T.SAI MENAKA | 18U45A0431 |
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Under the Esteemed Guidance of

**Mrs. D.L.MYTHRI** M.Tech

Asst. Professor, Department of E.C.E



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NH16, Anakapalli-531002, Visakhapatnam, A.P.


2021

**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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EXTERNAL EXAMINER

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## IMAGE SEGMENTATION USING HSI

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

**2020**

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


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This is to certify that the Project work entitled "IMAGE SEGMENTATION USING HSI" is a being submitted by R BHAVANI (17U41A0467), S. JAGADEESH (18U45A0418), P. LAHARIPRIYA (18U45A0420), D.D. DINESH (18U45A0422) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2019-20.

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| Mrs. P.AMRUTHA | Mr. K. JOGINAIDU |
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EXTERNAL EXAMINER

## A SECURE IMAGE STEGANOGRAPHY BASED ON RSA ALGORITHM AND LSB MATCHING REVISITED TECHNIQUE

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATIONS ENGINEERING**

*Submitted by*


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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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**2021**

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


## CERTIFICATE

This is to certify that the Project work entitled "A SECURE IMAGE STEGANOGRAPHY BASED ON RSA ALGORITHM AND LSB MATCHING REVISITED TECHNIQUE" is being submitted by A. NAVEEN KUMAR (17U41A0401), M. BABY SUMALATHA (17U41A0432), N. MOHAN RAO (17U41A0441), M. SAI KRISHNA (17U41A0431), K. SATISH (17U41A0419) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATIONS ENGINEERING during the academic year 2020-21.

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EXTERNAL EXAMINER

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## Wireless Electric Vehicle Charging System

***A 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*


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| M. MOHANA KRISHNA | 17U41A0209 |
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| K. SHIVAKARTHIK | 17U41A0207 |
| E. PURNIMA PRIYANKA | 18U45A0211 |
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**NH-5, Anakapalle-531002, Visakhapatnam, A.P**


## CERTIFICATE

This is to certify that the Project work entitled "Wireless Electric Vehicle Charging System" is a being submitted by M. MOHANA KRISHNA (17U41A0209), M. KIRAN (17U41A0208), K. SHIVAKARTHIK (17U41A0207), E. PURNIMA PRIYANKA (18U45A0211), K. CHAKRA SURENDRA NAIDU (17U41A0226) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for IN ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-21.

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EXTERNAL EXAMINER

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## DUAL POWER GENERATION (SOLAR AND WIND GENERATOR)

***A Project report submitted in partial***

***Fulfilment of the required for the award of Degree of***

**BACHELOR OF TECHNOLOGY**

IN

**ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*


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**2021**

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

## CERTIFICATE

This is to certify that the Project work entitled **"DUAL POWER GENERATION (SOLAR AND WIND GENERATOR)"** is being submitted by D.MANOJ (18U45A0208), D.VENKATESH (17U41A0201), A.PAVAN KALYAN (18U45A0202), B.SANKAR (17U41A0225) and CH.DURGA VENKATESH (18U45A0205) in partial fulfillment of the requirement for the award of the Degree of **BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2020-21.

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**EXTERNAL EXAMINER**

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## CNC DRAWING MACHINE

*A Project Report submitted in partial fulfilment of the*

*requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

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EXTERNAL EXAMINER

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## A CASCADED H-BRIDGE MULTILEVEL INVERTER WITH REDUCED NUMBER OF SWITCHES

***A 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**


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| P.DHARANI PRIYANKA | 18U45A0229 |
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*Under the Esteemed Guidance of*

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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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**2021**

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


## CERTIFICATE

This is to certify that the Project work entitled "A CASCADED H-BRIDGE MULTILEVEL INVERTER WITH REDUCED NUMBER OF SWITCHES" is being submitted by P DHARANI PRIYANKA (18U45A0229), CH DURGA PRASAD (18U45A0262), P LALITHA (18U45A0236), B GOPI CHAND (18U45A0249), D MADHAN KUMAR (18U45A0238) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2020-21.

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**EXTERNAL EXAMINER**

## SMART CAR PARKING SYSTEM USING IoT AND ARDUINO

***A 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*


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| V. LAHITHA | 17U41A0219 |
| U. CHANDHAN KUMAR | 17U41A0218 |


*Under the Esteemed Guidance of*

**Mr. A. KRISHNA NAG**

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## CERTIFICATE

This is to certify that the Project work entitled "**SMART CAR PARKING SYSTEM USING IoT AND ARDUINO**" is a being submitted by P. CHANDANA (18U45A0220), G MANIKANTA (18U45A0213), P.VARALAKSHMI (176K1A0212), V. LAHITHA (17U41A0219), U. CHANDHAN KUMAR (17U41A0218) in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2020-21.

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## DESIGN OF INTERLEAVED BUCK CONVERTER FOR ELECTRIC VEHICLE CHARGING USING MATLAB/SIMULINK

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*


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*Under the Esteemed Guidance of*

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## CERTIFICATE

This is to certify that the project report entitled **"DESIGN OF INTERLEAVED BUCK CONVERTER FOR ELECTRIC VEHICLE CHARGING USING MATLAB/SIMULINK"** submitted by DEVADULA ESWARA SARASWATHI(18U45A0210), NAGIREDDI RAVITEJA (17U41A0210), BHASKARA GOWTHAM ALLAVARAPU (17U41A0223), NAKKINA DHANA SAI(18U45A0218), KESAMSETTI MOHAN BABU (17U41A0206) in partial fulfillment of the requirements for award of the Degree of BACHELOR OF TECHNOLOGY IN ELECTRICAL &ELECTRONICS ENGINEERING, FROM DADI INSTITUTE OF ENGINEERING& TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Permanently Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

Mr. K. Vijay Kumar B.E., M.E.,(Ph.D.)
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**EXTERNAL EXAMINER**

## VEHICLE ACCIDENT PREVENTION AND ACCIDENT DETECTION SYSTEM

***A 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


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| K.SAI MANI KRISHNA | (18U45A0214) |
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**2021**

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## CERTIFICATE

This is to certify that the Project work entitled **"VEHICLE ACCIDENT PREVENTION AND ACCIDENT DETECTION SYSTEM"** is being submitted by **CH.YAMINI (18U45A0206), M.VENKATESH (18U45A0216), K.SAI MANI KRISHNA (18U45A0214), SHIVAM PANDEY (17U41A0216)** and **S.SUNITHA (17U41A0215)** in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2020-21.

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## MONITORING OVERLOAD CONDITIONS OF TRANSFORMER USING GSM TECHNOLOGY

***A 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

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This is to certify that the Project work entitled **"MONITORING OVERLOAD CONDITIONS OF TRANSFORMER USING GSM TECHNOLOGY"** is being submitted by M.CHARAN TEJA (18U45A0215), K.NOOKESH (17U41A0204), P.MURALI SHANKAR (18U45A0219), E.TARUN KUMAR (18U45A0212), D.SAI SREENU (18U45A0207) in partial fulfillment of the requirement for the award of the degree of **"BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING"** during the academic year 2020-21.

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## AUTOMATIC IRRIGATION SYSTEM

***A 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*


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| P.GANGADHAR | (17U41A0212) |
| M.KUMAR RAJA | (18U45A0217) |
| D.MANOJ KUMAR | (18U45A0209) |
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*Under the Esteemed Guidance of*

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This is to certify that the Project work entitled "AUTOMATIC IRRIGATION SYSTEM" is a being submitted by N.KASI VISWANADH (17U41A0211), P.GANGADHAR (17U41A0212), M.KUMAR RAJA (18U45A0217), D.MANOJ KUMAR (18U45A0209), and A.JYOSHNA (18U45A0201) 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.

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# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## DESIGNING AN OVER VOLTAGE PROTECTION SYSTEM USING IOT

**A 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


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| U. Nagendra Prasad | (17U41A0217) |
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**NH-16, Anakapalle-531002, Visakhapatnam, A.P**

**2021**

## CERTIFICATE

This is to certify that the Project work entitled **"DESIGNING AN OVER VOLTAGE PROTECTION SYSTEM USING IOT"** is being submitted by P. Somesh(17U41A0214),in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL & ELECTRONICS ENGINEERING** during the academic year 2020-21.

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Mr G. JAGADEESH
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**EXTERNAL EXAMINER**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## Power quality improvement by using DSTATCOM Using Matlab/Simulink

**A Project report submitted in partial Fulfillment of the**

**required for the award of Degree of**

**BACHELOR OF TECHNOLOGY**

IN

**ELECTRICAL & ELECTRONICS ENGINEERING**

Submitted by


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| 1. B Suneetha | (18U45A0204) |
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Mr. T Ramesh Babu, M. Tech

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## CERTIFICATE

This is to certify that the project work entitled **"Power Quality Improvement by Using D-STATCOM Using Matlab/Simulink"** is being submitted by 1. B Suneetha (18U45A0204), 2. Y Poornachadra Rao (17U41A0222), 3. K Raju (17U41A0224), 4. G Maheshwara (17U41A0203) and 5. B Radha (18U45A0203) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electrical &Electronics Engineering, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi, Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

Mr. T Ramesh Babu
ASSISTANT PROFESSOR
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## ALERT SYSTEM FOR SPECIALLY ABLED

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

**BACHELOR OF TECHNOLOGY IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

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## CERTIFICATE

This is to certify that the Project work entitled "**ALERT SYSTEM FOR SPECIALLY ABLED**" is a being submitted by **K.MANJUSHA (18U45A0232), P.NAVEEN KUMAR (18U45A0223), Y.HOMESH (18U45A0228), T.TEJESWAR (18U45A0227),** and **CH.N.S.ADI SEKHAR (18U45A0239)** 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

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ASSOC. PROFESSOR
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EXTERNAL EXAMINER

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## AUTOMATIC IRRIGATION SYSTEM

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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This is to certify that the Project work entitled "AUTOMATIC IRRIGATION SYSTEM" is a being submitted by B.DIVYA (18U45A0245), P.DURGA MAHALAKSHMI (18U45A0221), K.SIVAJI (18U45A0250), K.VENKATA GANESH (18U45A0259), and A.VIJAY KUMAR (18U45A0253) 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 2018-21.

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## ARDUINO BASED ANDROID CONTROLED ROBOTIC ARM

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

**BACHELOR OF TECHNOLOGY**

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**ELECTRICAL AND ELECTRONICS ENGINEERING**

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## CERTIFICATE

This is to certify that the Project work entitled "ARDUINO BASED ANDROID CONTROLLED ROBOTIC ARM" is a being submitted by L HARITHA (18U45A0242), P MOUNIKA (18U45A0231), K JAYA SAGAR (18U45A0251), A KIRAN (18U45A0260), K JANARDHAN RAO (18U45A0261) 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 2020-21.

**Sri. K VIJAY KUMAR**
**(ASSOC. PROFESSOR)**
(PROJECT GUIDE)

**Sri. A KRISHNA NAG**
**(ASSOC. PROFESSOR)**
(HEAD OF THE DEPARTMENT)

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

EXTERNAL EXAMINER

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**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## REAL TIME BASED IOT AUTOMATION WITH FEEDBACK LOOPS

**A 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


| | |
|---|---|
| S.SAI | (18U45A0255) |
| K.PAVANKALYAN | (18U45A0244) |
| G.KASUBABU | (18U45A0237) |
| S.SURESH | (18U45A0226) |
| A.SAI KISHORE | (18U45A0264) |

Under the Esteemed guidance of

**Mr. DURGA R CH NOOKESH**

Assistant Professor, Department of EEE



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**NH-5, Anakapalle-531002, Visakhapatnam, A.P. 2021**

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

## CERTIFICATE

This is to certify that the Project work entitled "REAL TIME BASED IOT AUTOMATION WITH FEEDBACK LOOPS" is being submitted by S.SAI (18U45A0255), K. PAVANKALYAN (18U45A0244), G. KASUBABU (18U45A0237), S. SURESH (18U45A0226), A.SAI KISHOR (18U45A0264), in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-21.

Mr. D.R.CH NOOKESH
Assistant Professor,EEE
**PROJECT GUIDE**

Mr. A KRISHNA NAG
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Electrical & Electronics Engg.
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**EXTERNAL EXAMINER**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## AUTOMATIC ON AND OFF OF IRRIGATION PUMP USING IOT TECHNOLOGY

***A 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.VENKATA APARNA | 18U45A0254 |
| R.APPALARAJU | 18U45A0224 |
| A.SRINU | 18U45A0256 |
| P.SRINU | 18U45A0222 |
| K.RAJESH | 18U45A0258 |


*Under the Esteemed Guidance of*

**Mr. G. JAGADEESH**

Assistant Profcssor, Department of EEE


**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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


**2021**

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


## CERTIFICATE

This is to certify that the Project work entitled "**AUTOMATIC ON AND OFF OF IRRIGATION PUMP USING IOT TECHNOLOGY**" is a being submitted by B.VENKATA APARNA (18U45A0254), R APPALARAJU (18U45A0224), A SRINU (18U45A0256), P SRINU (18U45A0222), K RAJESH (18U45A0258) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS EMGINEERING during the academic year 2020-21.

**Mr. G. JAGADEESH**
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**Mr. A. KRISHNA NAG**
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**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## GRID CONNECTED 100KW SOLAR PV SYSTEM USING MATLAB OR SIMULINK

***A 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*


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| A BHARATHI | 18U45A0240 |
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| U MAHESH | 18U45A0248 |
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*Under the Esteemed Guidance of*

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

**2021**

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


## CERTIFICATE

This is to certify that the Project work entitled "GRID CONNECTED 100KW SOLAR PV SYSTEM USING MATLAB OR SIMULINK" is a being submitted by A BHARATHI (18U45A0240), D SANTHOSH SAI GANESH (18U45A0263), U MAHESH (18U45A0248), P MANIKANTA (18U45A0247), U H V S SAI (18U45A0252) 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 2018-21.

**Mr. T. RAMESH BABU**
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## FLEX SENSOR BASED SMART GLOVE FOR SPECIALLY ABLED

***A 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*

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| I.SRAVAN KUMAR | (18U45A0241) |
| G.MANOJ | (18U45A0246) |
| M.FAIZ AMAN ALI | (18U45A0257) |
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*Under the Esteemed Guidance of*

**Miss. P.JAGRUTHI**

Assistant Professor, Department of EEE



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**2021**

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


## CERTIFICATE

This is to certify that the project work entitled "FLEX SENSOR BASED SMART GLOVE FOR SPECIALLY ABLED" has been carried out by I.SRAVAN KUMAR (18U45A0241), G.MANOJ (18U45A0246), M.FAIZ AMAN ALI (18U45A0257) and A.ROYAL PREM (18U45A0265), Submitted in partial fulfillment of the requirement for the Award of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2020-2021

MISS.P.JAGRUTHI
(ASST.PROFESSOR)
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Mr. A. KRISHNA NAG
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EXTERNAL EXAMINER

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ANALYSIS AND DESIGN OF (G+3) BUILDING USING STAAD PRO V8i WITH COMPARISON TO MANUAL

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by


| | |
|---|---|
| K. Manikanta | (18U45A0144) |
| B. Tharuna Sai Sri | (18U45A0102) |
| P. Dilip Kumar | (18U45A0107) |
| M. Sai Kumar | (18U45A0148) |
| B. Pavan Kondala Rao | (17U41A0108) |


*Under the Esteemed Guidance of*

Er .N. Ramu B.Tech, M.Tech, AMIE.

**(Licensed civil engineer approved by GVMC)**

Assistant professor and

HOD of Civil Engineering


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(2020-2021)

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


## CERTIFICATE

This is to certify that the Project work entitled "Analysis and design of (G+3) building using staad pro v8i comparison to manual" is a Bonafide work done by K.Manikanta (18U45A0144) B.Tharuna sai sree(18U45A0102) P.DilipKumar(18U45A0107) M. Sai Kumar (18U45A0148) B. Pavan Kondala Rao (17U45A0108) in partial fulfillment of the curriculum of Bachelor Of Technology In Civil Engineering During the academic year 2020- 2021.

PROJECT GUIDE

Er. N. Ramu B.Tech ,M. Tech,

AMIE.

Head of the Department

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Er.N. Ramu,M.Tech,

Head of the Department

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EXTERNAL EXAMINER

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## AN EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT REINFORCED CONCRETE ELEMENTS BY USING POLYPROPYLENE MATERIAL

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**In**

CIVIL ENGINEERING

*Submitted by*


| | |
|---|---|
| CH.DURGAPRASAD | 17U45A0107 |
| P.SAIKUMAR | 16U41A0110 |
| G.PYDI RAJESH | 16U41A0104 |
| S.JAGADEESH | 17U45A0151 |
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*Under the Esteemed Guidance of*

**Mr.K.APPALA NAIDU** M.Tech.

Asst. Professor, Department of Civil Engineering


**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

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


**2016 - 2020**

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


## CERTIFICATE

This is to certify that the Project work entitled **"AN EXPERIMENTAL INVESTIGATION ON REINFORCED CONCRETE ELEMENTS BY USIN POLYPROPYLENE MATERIAL"** is a being submitted by P.SAIKUMA (16U41A0110),CH.DURGAPRASAD(17U45A0107),G.PYDIRAJESH(16U41A0104),S.JAGADEESH(17U45A0151),P.RAJMAHESH (16U41A0114)in partu fulfillment of the Requirement for the award of the degree of BACHELOR C TECHNOLOGY IN CIVIL ENGINEERING during the academic year 2019-20

**Mr.K.APPALA NAIDU**
**(ASSITANT PROFESSOR)**
(PROJECT GUIDE)

**Dr.CH.KANNAM NAIDU**
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Prof. K.V.S.G. Murali Krishna
EXTERNAL EXAMINER

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

**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## IMPROVING THE PROPERTIES OF ASPHALT CONCRETE BY ADDITION OF PLASTIC WASTE AND CRUMB RUBBER

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

**BACHELOR OF TECHNOLOGY**

***in***

**CIVIL ENGINEERING**

*Submitted by*


| | |
|---|---|
| V. BHASKAR | 16U41A0113 |
| B. NAVEENA LAKSHMI | 17U45A0104 |
| M. NAVEEN | 17U45A0134 |
| M. SANTHOSH | 17U45A0128 |
| S. SIRISHA | 16U41A0115 |


*Under the Esteemed Guidance of*

**M. R. V. S. G. GUPTHA**

Assistant Professor, Department of Civil Engineering


**DADI INSTITUTEOF ENGINEERING & TECHNOLOGY**

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**NH-5, Anakapalle-531001, Visakhapatnam, A.P. 2016-2020**

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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


## CERTIFICATE

This is to certify that the Project work entitled **"IMPROVING THE PROPERTIES OF ASPHALT CONCRETE BY ADDITION OF PLASTIC WASTE AND CRUMB RUBBER"** is an authentic work submitted by B. NAVEENA LAKSHMI (17U45A0104), M. NAVEEN (17U45A0134), M. SANTOSH (17U45A0128), S. SIRISHA (16U41A0115), V. BHASKAR (16U41A0113) in partial fulfilment of the requirement for the award of the degree of Bachelor Of Technology in Civil Engineering from Diet College Of Engineering during the academic year 2019-2020.

**Mr. M. R. V. S. G. GUPTHA, M. Tech**
**(ASSISTANT PROFESSOR)**
(PROJECT GUIDE)

**Dr CH. KANNAM NAIDU**
**( PROFESSOR)**
(HEAD OF THE DEPARTMENT)

Prof. K.V.S.G. Murali Krishna
EXTERNAL EXAMINER

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## COMPARATIVE STUDY OF RC STRUCTURES USING SEA SAND & REINFORCEMENT COVERED BY PLASTIC TUBES

(MODERN CONCRETE)

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

**BACHELOR OF TECHNOLOGY**

**in**

**CIVIL ENGINEERING**

*Submitted by*


| | | |
|---|---|---|
| S.VENKATESH | - | (17U45A0145) |
| P.BALA SAI | - | (17U45A0136) |
| B.SIVA VENKATA SAI | - | (17U45A0106) |
| M.PRAVEEN KUMAR | - | (17U45A0132) |
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Under the guidance of

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


## CERTIFICATE

This is to certify that the Project work entitled **"COMPARATIVE STUDY OF RC BEAMS USING SEA SAND & REINFORCEMENT COVERED BY PLASTIC TUBES"** is a Bonafede work done by S. VENKATESH (17U45A0145), P. BALA SAI(17U45A0136), B. SIVA VENKATA SAI(17U45A0106), M. PRAVEEN KUMAR(17U45A0132), M. BHANU PRASAD(17U45A0133), in partial fulfilment of the curriculum of **Bachelor of Technology In Civil Engineering** Duringthe academic year 2019-2020.

**PROJECT GUIDE**

Mr. P. LAKSHMINARAYANA,M.Tech,IAENG

Assistant Professor

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**HEAD OF THE DEPARTMENT**

Dr Ch. Kannam Naidu, M.Tech,PhD.

Professor

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Prof. K.V.S.G. Murali Krishna

**EXTERNAL EXAMINER**

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## AN EXPERIMENTAL STUDY ON STRENGTH CHARACTERISTICS OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH GGBS AND FINE AGGREGATE WITH COPPER SLAG

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

Award of the Degree of

**BACHELOR OF TECHNOLOGY**

in

**CIVIL ENGINEERING**

Submitted by


| | |
|---|---|
| B.MEGHANA | (18U45A0103) |
| B.RAMU | (18U45A0138) |
| G.ROHITH | (18U45A0150) |
| A.VENKATESH | (18U45A0115) |
| V.R.S.MADHURI | (17U41A0103) |


Under the Esteemed Guidance of

**Mr.K.APPALA NAIDU** M.Tech

Asst. Professor, Department of Civil Engineering


DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

NH-16, Anakapalle-531002, Visakhapatnam, A.P. 2017-2021

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**NAAC ACCREDITED INSTITUTE**

ISO 9001: ISO 14001 & OHSAS 18001:2007 certified Institution

**NH-16, Anakapalle-531032, Visakhapatnam, A.P**

## CERTIFICATE

This is to certify that the project work entitled **"AN EXPERIMENTAL STUDY ON STRENGTH CHARACTERISTICS OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH GGBS AND FINE AGGREGATE WITHCOPPER SLAG"** is a record of work carried out by B.MEGHANA(18U45A0103),B.RAMU(18U45A0138),G.ROHITH(18U45A0150) ,A.VENKATESH (18U45A0115), V.R.S.MADHURI(17U41A0103) )in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING during the academic year 2020-21

**Mr.K.APPALA NAIDU**
**(ASST.PROFESSOR )**
(PROJECT GUIDE)

**Sri.N.RAMU**
**B. Tech, M. Tech, AMIE**
(HEAD OF THE DEPARTMENT)

Head of the Department
Civil Engineering
Dadi Institute of Engineering & Technology
Anakapalle

Prof KVSG Murali Krishna
EXTERNAL EXAMINE

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## \PERIMENTAL STUDY ON REACTIVE POWDER CONCRETE

A project report submitted in partial fulfillment of the

Requirements for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVILENGINEERING**

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Permanently Affiliated to JNTU KAKINADA & NAAC Accredited Institute)

Presented By


| | |
|---|---|
| K.ROOP CHANDU | 18U45A0119 |
| B.RAMESH | 18U45A0109 |
| P.KUMAR | 18U45A0143 |
| K.RAMYA | 18U45A0105 |
| G.S.NAIDU | 16U41A0105 |


Under the Esteemed Guidance of

**Mr. B. SUDHEER KUMAR, M Tech, MISTE**

**Assistant Professor, Department of CIVIL**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## CERTIFICATE

This is to certify that the project report entitled, "AN **EXPERIMENTAL STUDY ON REACTIVE POWDER CONCRETE** "is being submitted by K. ROOP CHANDU(18U45A0119), B. RAMESH (18U45A0109), P. KUMAR(18U45A0143), K. RAMYA(18U45A0105), G.S. NAIDU(16U45A0105). In partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING during the academic year 2020-2021.

**Mr. B. SUDHEER KUMAR, M Tech, MISTE**
**Assistant Professor,**
**Department of Civil Engineering**
PROJECT GUIDE

**Mr. N. Ramu, M Tech**
HEAD OF CIVIL DEPARTMENT

**EXTERNAL EXAMINER**

# EXPERIMENTAL STUDY ON BEAD RUBBER CEMENT CONCRETE (BRCC)

This project is submitted to the JNTU Kakinada with fulfillment of the requirement

For the degree of **B.Tech**

In

CIVIL ENGINEERING

Submitted by

| | |
|---|---|
| K MOHAN | (18U45A0126) |
| V PRASANNA SAI | (18U45A0108) |
| B CHAKRAVARTHY | (18U45A0141) |
| P SOMESH | (18U45A0123) |
| M SAI | (18U45A0145) |
| P DIVYA | (18U45A0132) |

Under esteemed guidance of
**Mr. M. RVSG Guptha M. Tech**
Assistant professor, DEPT. OF CIVIL ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

**Department of civil engineering**

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**NH – 16, ANAKAPALLE – 531002,** Visakhapatnam, **Andhra State.)**
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**(2017 – 2021)**

## CERTIFICATE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

**Department of civil engineering**

**(Permanently Affiliated to JNTU KAKINADA & NAAC Accredited Institute**

**NH – 16, ANAKAPALLE – 531002, Visakhapatnam, Andhra State.)**

This is to certify that the project work entitled Experimental **study on Bead Rubber Cement Concrete (BRCC).** That is being submitted by K MOHAN (18U45A0126), V PRASANNA SAI (18U45A0108), B CHAKRAVARTHY (18U45A0141), P SOMESH (18U45A0123), M SAI (18U45A0145), P DIVYA (18U45A0132), for the fulfillment of the requirements for the award of degree in CIVIL ENGINEERING to JNTU Kakinada is a record of BONDIFIED work carried out by him under my guidance supervision

**Mr. M RVSG Guptha M. Tech**
Assistant professor
DEPT. of civil engineering
Project guide

**Mr. N. Ramu M. Tech**
HOD OF CIVIL ENGINEERING

PROF. KVSG MURALI KRISHNA
EXTERNAL EXAMINAR

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


**A PROJECT REPORT**

**ON**

## A CASE STUDY ON REPAIR AND REHABILITATION OF CRACKS IN STRUCTURES

Submitted To "JNTU-KAKINADA" For Fulfilment of Requirements

For the award of Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

CIVIL ENGINEERING


| | | |
|---|---|---|
| B PRAHARSHITHA | - | 18U45A0101 |
| N TEJA | - | 18U45A0125 |
| P RAKESH | - | 18U45A0121 |
| N SAI MANIKANTA | - | 18U45A0133 |
| M SRINU | - | 18U45A0129 |

Under the guidance of

**M.KEDHARESWARI M. Tech**

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

**Department of Civil Engineering**

Affiliated to JNTU-Kakinada, Approved by AICTE, New Delhi

Visakhapatnam, Andhra Pradesh, INDIA

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

**Affiliated to JNTU-Kakinada, Approved by AICTE, New Delhi**

**Visakhapatnam, Andhra Pradesh, INDIA**

## CERTIFICATE

This is to certify that the project work entitled, **"A CASE STUDY ON REPAIR AND REHABILITATION OF CRACKS IN STRUCTURES"** submitted by B.PRAHARSHITHA (18U45A0101), N.TEJA (18U45A0125), P.RAKESH (18U45A0121), N.SAI MANIKANTA (18U45A0133), M.SRINU (18U45A0129) in partial fulfilment of the requirements for the award of Bachelor of Technology Degree in "Civil Engineering" to JNTU Kakinada is a record of BONDIFIED work carried out by him under my guidance supervision.

**Miss. M. KEDARESWARI M. Tech**
Assistant professor
DEPT. of civil Engineering
Project guide

**Mr. N. Ramu M. Tech**
H.O.D. Dept. of Civil Engineering

PROF. K.V.S.G. MURALI KRISHNA
EXTERNAL EXAMINER

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## EXPERIMENTAL STUDY ON STONE MASTIC ASPHALT WITH THE USAGE OF FIBRES

A project report submitted in partial fulfilment of the requirements for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

Submitted by


| | |
|---|---|
| K.GANESH | - 18U45A0118 |
| K.ANILKUMAR | - 18U45A0142 |
| G.YAMUNA | - 18U45A0120 |
| V.RAVITEJA | - 18U45A0116 |
| K.GOVINDU | - 17U41A0107 |

Under the Guidance of

**Smt. B.Ramya**

Assistant Professor, Department of CIVIL



DADI INSTITUTE OF ENGINEERING

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**Certified,**

**NAAC Accredited Institution**

**NH -16, ANAKAPALLE – 531 002, Visakhapatnam, A.P.www.diet.edu.in(2017 – 2021)**

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## CERTIFICATE

This is to certify that the project work entitled "EXPERIMENTAL STUDY ON USING FIBRES"submitted by K. GANESH(18U45A0118)K.ANIL(18U45A0142),V.RAVITEJA(18U45A0116),G YAMUNA(18U45A0120), K. GOVINDU(17U41A0102)and n partial fulfillment of the requirements for the award of bachelor of Technology degree in " civil Engineering"to JNTU Kakinada is record of BONDIFIED work carried out by her under my guidence supervision

Smt.B.Ramya M.Tech

Assistant professor
Civil Engineering

Project guide

MR.N.RAMU M.Tech

H.O.D dept of civil

Prof KVSG Murali Krishna

EXTERNAL EXAMINER

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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## EXPERIMENTAL STUDY ON STABILIZATION OF SOIL BY USING BAGASSE ASH AND LIME.

*A project report submitted in partial fulfilment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

Submitted by


| | |
|---|---|
| R. MANIKANTA | 18U45A0136 |
| Y. SAI SANKAR | 18U45A0111 |
| Y. DAMODARA RAO | 18U45A0139 |
| Y. RAMESH | 18U45A0112 |
| G. JAYAVARDHAN | 18U45A0147 |

Under the Esteemed Guidance of

**Mrs. PUNNAM.LAVANYA M. Tech**

Assistant Professor, Department of CIVIL



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY



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

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**NAAC Accredited Institution**

**NH -16, ANAKAPALLE – 531 002, Visakhapatnam, A.P.**

(2017-2021)

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

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

## CERTIFICATE

This is to certify that the project report entitled, **"EXPERIMENTAL STUDY ON STABILIZATION OF SOIL BY USING BAGASSE ASH AND LIME"** is being Submitted by R. MANIKANTA, Y. SAISANKAR, Y. RAMESH, Y. DAMODARA RAO, G. JAYAVARDHAN in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING** during the academic year 2020-2021.

**Mrs. PUNNAM.LAVANYA M. Tech**
**(Assistant Professor)**
(PROJECT GUIDE)

**Sri. N. RAMU M. Tech**
**(Asst.professor)**
( HEAD OF CIVIL DEPARTMENT)

Prof. K.V.S.G. Murali Krishna
**EXTERNAL EXAMINER**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

**Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in**


## EXPERIMENTAL STUDY ON PERVIOUS CONCRETE WITH ADD MIXTURES

This project is submitted to the JNTU Kakinada with fulfillment of the requirement

For the degree of **B.Tech**

In

CIVIL ENGINEERING

Submitted by


| | |
|---|---|
| B DEVI | 18U45A0131 |
| K DEVI | 17U41A0110 |
| D SRI RAM | 18U45A0117 |
| V V K K KUMAR | 17U41A0105 |
| S UMA MAHESH | 18U45A0151 |

Under esteemed guidance of

**Mr. M. RVSG Guptha M. Tech**

Assistant professor, DEPT. OF CIVIL ENGINEERING


DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

**Department of civil engineering**

**Permanently Affiliated to JNTU KAKINADA & NAAC Accredited Institute**

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**(2017 – 2021)**

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## CERTIFICATE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

**Department of civil engineering**

**(Permanently Affiliated to JNTU KAKINADA & NAAC Accredit Institute**

**NH – 16, ANAKAPALLE – 531002, Visakhapatnam, Andhra State.)**

This is to certify that the project work entitled **Experimental study on pervious concrete with add mixtures**. That is being submitted by B. DEVI,(18U45A0131),K.DEVI(17U41A0110),D.SRIRAM(18U45A0117) V.K.KIRAN KUMAR(17U41A0105), S.UMA MAHESH(18U45A0151) for the fulfilment of the requirements for the award of degree in CIVIL ENGINEERING to JNTU Kakinada is a record of BONDIFIED work carried out by him under my guidance supervision

**Mr. M RVSG Guptha M.Tech**
Assistant professor
DEPT. of civil engineering

Project guide

**Mr. N. Ramu M. Tech**
HOD OF CIVIL ENGINEERING

PROF KUSA MURALI KRISHNA
EXTERNAL EXAMINAR

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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## AN EXPERIMENTAL INVESTIGATION OF VARIOUS BRICKS BY THE PARTIAL REPLACEMENT OF SAWDUST, PERLITE AND EXFOLIATED VERMICULITE

This project is submitted to JNTU Kakinada with fulfillment of the requirement for the award of the degree of

**BACHILOR OF DEGREE**

**In**

**CIVIL ENGINEERING**

Submitted by


| | |
|---|---|
| B. Narsingarao | 18U45A0127 |
| K. Anil | 18U45A0128 |
| B. Laxman | 18U45A0137 |
| K. Lavanya | 17U41A0107 |
| R. Bhanu Prakash | 18U45A0146 |

Under the esteemed guidance of

**Mrs. Padadalam. Lavanya** M. Tech

Asst. Professor, Department of Civil Engineering

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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


**2017-2021**

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DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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NAAC ACCREDITED INSTITUTE

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

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


## CERTIFICATE

This is to classify the project work entitled **AN EXPERIMENTAL INVESTIGATION OF VARIOUS BRICKS BY THE PARTIAL REPLACEMENT OF SAWDUST, PERLITE AND EXFOLIATED VERMICULITE.** That is being submitted by B. Narsingarao (18U45A0127), K. Anil (18U45A0128), B. Laxman (18U45A0137), K. Lavanya (17U41A0107), R. Bhanu Prakash (18U45A0146). for the fulfillments of the requirements for the requirements for award of degree in CIVIL ENGINEERING to JNTU Kakinada is a record of BONDIFIED work carried out by him under my guidance supervision.

**Mrs. Padadalam. LAVANYA,**
**(Assistant Professor)**
(Project Guide)

**Sri. N. RAMU, M. Tech,**
**AMIE**
HOD OF CIVIL ENGINEERING

PROF. KUSA MURALI KRISHNA
**EXTERNAL EXAMINAR**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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## AN EXPERIMENTAL STUDY ON FIBRE REINFORCED SELF COMPACTING CONCRETE BY USING RECYCLED AGGREGATES

**A project report submitted in partial fulfillment of the**

**requirements for the award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

CIVIL ENGINEERING

Submitted by


| | |
|---|---|
| M.RAMU | 18U45A0135 |
| L.SANTHI | 18U45A0122 |
| K.NEERAJA RANI | 18U45A0104 |
| K.SEKHAR | 18U45A0113 |
| N.NIKHIL KUMAR | 17U41A0105 |


Under the Esteemed Guidance of

**Mrs. K. Manoharini**

Assistant professor, Department of civil Engineering


DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

**(Approved by A.I.C.T.E ,new delhi & affiliated to JNTU , Kakinada)**

**NAAC ACCREDITED INSTITUTE**

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


**2017-2021**

DADI INSTITITUTE OF ENGINEERING & TECHNOLOGY

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NAAC ACCREDITED INSTITUTE

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

## CERTIFICATE

This is to certify that the project work entitled **"AN EXPERIMENTAL STUDY ON FIBRE REINFORCED SELF COMPACTING CONCRETE BY USING RECYCLED AGGREGATES "** is an authentic work submitted by M.RAMU (18U45A0135), L.SANTHI ( 18U45A0122 ), K.NEERAJA RANI (18U45A0104), K.SEKHAR (18U45A0113), N.NIKHIL KUMAR (17U41A0105). In partial fulfilment of the requirement for the award of the degree of bachelor of technology in civil engineering from diet college of engineering during the academic year 2020-2021.

**Mrs. K Manoharini, M.Tech**

**(ASSISTANT PROFESSOR)**

**( PROJECT GUIDE)**

**Mr. N.RAMU, M.Tech**

**(PROFESSOR)**

**(HEAD OF THE DEPARTMENT)**

Prof KVSG MURALI KRISHNA

EXTERNAL EXAMINER

## Experiential learning and Participative learning:

## PRAGYA 2K21

PRAGYA-2K21 was conducted on 16th Feb 2021, in association with MHRD's Institution Innovation Council and Institutional Professional Chapters CSI Visakhapatnam Chapter, IEEE, IETE, ISTE, IE(I), ISTE.PRAGYA-2K21 is a voyage that helped in exploring the insightful and cheerful events like Grey Konnect, Technovation, Technophile, Techour, Spectra, Electra, Tech war that would nourish and hone technical, creative and analytical skills among students.PRAGYA-2K21, technical fest is a great opportunity that is provided by Dadi Institute of Engineering & Technology to students to showcase their inherent talent. Dadi Institute of Engineering & Technology is known to have a tremendous support in reaching out for students exuberance and magnifying their academics and co-curricular activities in various forms. Techfest is one among them. A student can exhibit his/her talent and experience a new learning endowment in his career by his participation in Techfest.

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**Virtual Workshop on Machine Learning**

**Clay crafts by CIVIL students**

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**Technovation & Technophile Coding Challenge Spot Drawing**

**Circuit Challenge & Ad man show competition**

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**CIRCUIT ASSEMBLING AND DEBUGGING CHALLENGE**

## Tech Busket 2.O

DIET IEEE Student Branch successfully organized TECH BUSKET 2.0 event on 08-01-2021 from 2.30 PM to 4 PM with over 125 enthusiastic participants in various technical hub and spot events like Innovation challenge, English Vinglish, Scrap Revamping, Selfie Challenge, Find the odd etc., at DIET Girls' Sports Court.

Students participating in Tech Busket 2.0 competition

## Awareness session on Artificial Intelligence and Machine Learning

An awareness session on Machine Learning and Artificial Intelligence was organized for the students of first year students of AIML on 16th April, 2021. Mr.Vinod Kumar Sunkara, Sr. Software Engineer from Facebook Inc., Washington was the resource person. He briefed the students about the prospects of Artificial Intelligence and Machine learning and career opportunities.

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## Awareness Session on Disha App

ICC wing of DIET has organized an awareness session for the female students of the institute on the importance of DISHA App for their safety on 28th November, 2020. Team ICC has educated the girl students about the atrocities against women and the need of being vigilant to avoid the mishaps of being victimized. All the girl students were asked to download the app and once they downloaded the app they were guided on how to use it during any emergency. ICC convenor Mrs G. Sujatha, Ms Shabeena and Dr. K. Madhavi provided the awareness.

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## World Environment awareness programme

NSS UNIT conducted go green programme in the campus on 5th June, 2021 as part of world Environment Day Celebrations. More than 100 saplings were planted in the campus by volunteers and faculty. Mr. A. Kiran Kumar, NSS Officer, Staff and students participated in the Programme.

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## Internship awareness programme AICTE COO

Dr. Buddha Chandrasekhar visited Entrepreneur cell in the campus and interacted with students and p r o v i d e d g u i d a n c e w i t h r e s p e c t t o entrepreneurship. He also provided information related to various govt. schemes which students can explore and fulfill their dream of becoming an Entrepreneur.

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**DR. Buddha Chandra interacting with students**

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## Entrepreneurship Development Lecture EDL 2k21

Entrepreneurship Development Lecture EDL 2k21 was organized by DIET ISTE Student Chapter and EEE Department in Seminar Hall 1 on 23rd September, 2021. Session 1 was taken by Chief Guest Sri G. R a g h u r a m , M a n a g e r o f M S M E - D I , Visakhapatnam from 11.40 AM to 1PM about the various Initiatives of govt of India through MSME offered to budding entrepreneurs across the country. Session 2 was taken by another resource person Sri S. Venkataraman, Manager, COIR Board, Visakhapatnam about the series of steps involved in the manufacturing of COIR products with live video demonstration from 2 PM to 3 PM. Both the speakers focused on the numerous opportunities that are available for aspiring entrepreneurs and have given awareness on each and every scheme which could be applied by students to materialize the idea of setting up a new Company with a realistic and calculated approach. Over 180 Registered students took active part from various branches with overall participation of 240 students and 30 Faculty members.

Sri S. Venkataraman, Manager, COIR Board addressing students

## ECE Department:

Students of Electronics and Communications Engineering are often given an opportunity to enhance their practical knowledge through Innovative Classroom Teaching [ICT] techniques implemented by faculty from time to time. Students are made in to groups and the batch wise presentations are conducted on a regular basis to all the studentsof Final year and Third year.

Some of the mostcommonly implem

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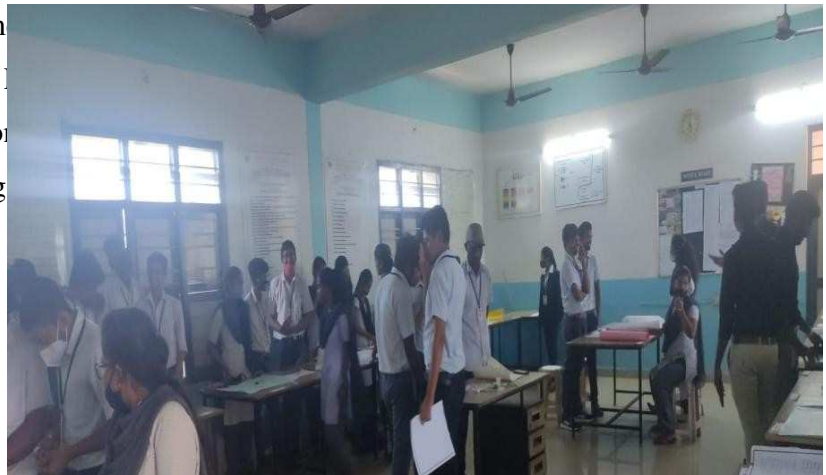
or equivalent properties, flip classroom co

on the concept much deeper,Article reading



the concepts dealt in classroom previously, conducting seminars, repeating difficult topics by topper students and many more activities.

These activities are usuallydone t a part of the tutorial sessions.

It has been observed that more ed concepts, better were the results obtai es employed by ECE Department are share

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## Seminar Based Learning by Students

Students participating in techfest

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Students participating the poster presentation

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Students explaining the project

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## CSE Department:

## Report on Experiential & Participative Learning

The Department of CSE Always encourages Students to learn things by involving themselves in participative learning & Experimental leaning for understanding reality of every subject. We are often given an opportunity to enhance their practical knowledge through Innovative Classroom Teaching [ICT] techniques implemented by faculty from time to time. Students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year.

Some of the most commonly implemented methods are Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students with use of pickers or equivalent properties, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, repeating difficult topics by topper students and many more activities

These activities are usually done through the department coding club and also by Department faculty as a part of the tutorial sessions. Students involve in technical quizzes and seminars on emerging technologies to share and gain new knowledge.

Some of the glimpses of these strategies adopted by CSE Department were enclosedin the report

## Practice Based Learning by Students

**Students practicing programming in computer lab**

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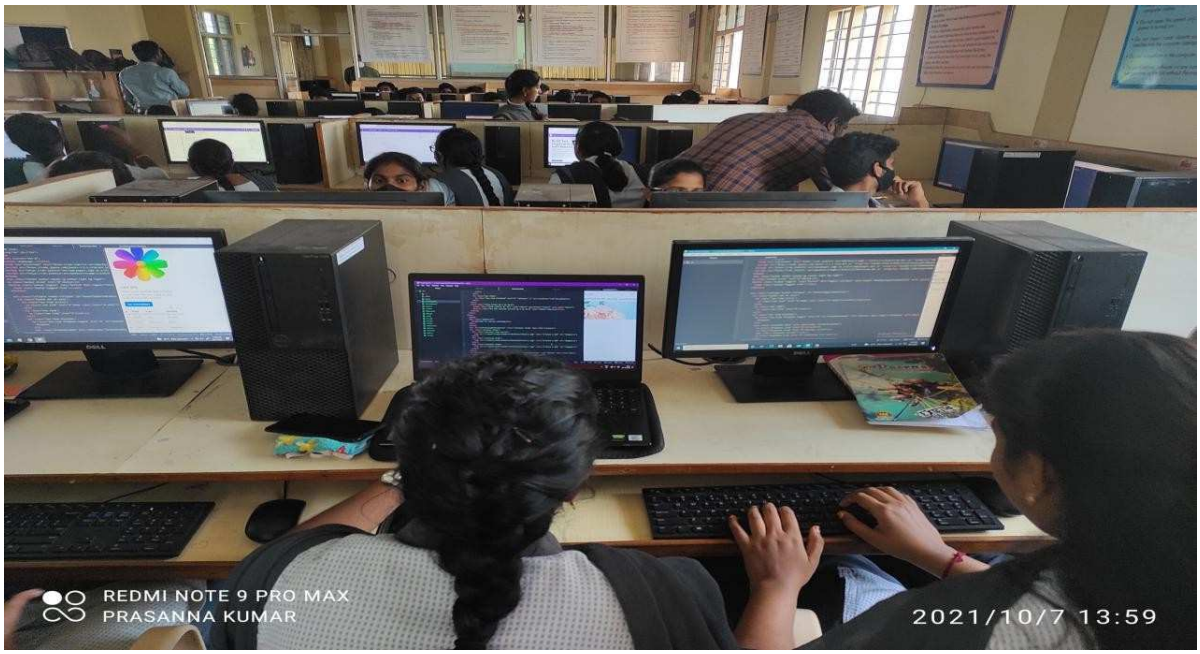

Participative learning

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Activity based learning

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## A REPORTON

## EXPERIENTIAL LEARNING FOR STUDENTS

### CIVIL Engineering :

The students will learn the lab equipment usage and at field in easy manner for better handling of equipment in practical work experience

.

**TAKING LEVELS ON EXISTING ROAD**

## TAKING LEVELS FOR COMPOUND WALL

## SURVEYING WORK

The Experimental Learning program was concluded with by Mr. N RAMU, HOD, Civil Department, Mr. M RVSG Guptha Deputy HOD, Civil Department and all faculty members and non teaching staff.

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## A REPORTON

## PARTICIPATION ACTIVITIES FOR STUDENTS

### Various Consultancy Works:

Interested students members are participated in the event. They learn the lab equipment usage and at field in easy manner. They learn the better handling of equipment in practical work experience

In this program student should learn the importance of quality control. Quality control in construction typically involves insuring compliance with minimum standards of material and workmanship in order to insure the performance of the facility according to the design. These minimum standards are contained in the specifications

. Materials quality management is an essential part of construction quality and requires the

same degree of planning, prevention, appraisal, and corrective action as design engineering and construction.

## COMPRESSION TEST ON CONCRETE CUBES

**CHECKING LOAD VALUES TEST CUBES**

Participated activities Learning program was concluded importance of material testing by Mr. N RAMU, HOD, Civil Department, Mr. M RVSG Gupta Deputy HOD, Civil Department and all faculty members and non teaching staff.

## DEPARTMENT OF EEE

## Report on Experiential & Participative Learning

Students of Electrical and Electronics are often given an opportunity to enhance their practical knowledge through Innovative Classroom Teaching [ICT] techniques implemented by faculty from time to time. Students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year. Some of the most commonly implemented methods are Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students with use of pickers or equivalent properties, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in

classroom previously, conducting seminars, repeating difficult topics by topper students and many more activities.

Students practicing on solar panel

These activities are usually done through the department SPARKS club and also by Department faculty as a part of the tutorial sessions. It has been observed that more the number of sessions conducted with the above mentioned concepts, better were the results obtained every semester. Some of the glimpses of these strategies employed by EEE Department are shared in this document:

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**ICT Method through Pickers:**

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## Seminar Based Learning by Students

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Students giving seminar

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Student peer discussion in class

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Student participative learning in class

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## BUSINESS CLUB ACTIVITY

### MBA Department:

## AD-MAKING SESSION

**Date of Event** : **02-12-2020**

**Venue** : **Seminar Hall – 2**

**Time** : **11:50 am to 1:30pm**

**Beneficiaries** : **MBA I-yearNo of Participants : 19**

**Organized by** : **MBA Department – Team WisdomBrief Summary:**

As a part of the business club activity, all the MBA students and the MBA Department faculty gathered at

Seminar Hall–2. The b-club activity was organized by Team Wisdom. The session on Ad-making.

Every Team participated with their innovative thoughts and presented their chart presentation and also enacted on their own products. They first started with enact of advertising the product to the audience.

Later, they clearly explained about their product-uses, work process, advantages, disadvantageswith the help of chart presentation and by setting their own designations like product designer, product developer,testing engineer, sales executive, etc.

The ad-making products introduced in this activity by the Teams are:

- Team Wisdom – Dream Big [DB] LED with Touch Fingerprint Module
- Team Conquerors – Explore India( Travelling App)
- Team Avengers – Earth Herbs(Organic skincare and beauty products)
- Team Quest - E-bike(electronic bike)
- Team Tycoons – Mr.Big Chocolate

Our faculty Mr.A.Kiran kumar sir (Dep of MBA) took the initiative and motivated us with much more new ideas and Mr. Babji sir (Dep of MBA) mentioned few key elements in the presentation and supported us with Great Spirit. Our faculty Mrs. J.Sowmya madam (Dep of MBA) also joined us and gave us many valuable suggestions regarding the presentation.

Finally, prize distribution done by each faculty to the winner team and the runner up team. The ad-making session conducted smoothly with all the members of active participants and made it a successful ones. In this business club activity, we learnt many things and acquired many ideas and knowle

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MBA I – Year

| S.NO | HT NO | STUDENT NAMES |
|---|---|---|
| 1 | 20U41E0001 | ADARI JAGAN MOHAN |
| 2 | 20U41E0002 | ADDEPALLI PRIYANKA |
| 3 | 20U41E0003 | BALAGA SAI KUMAR |
| 4 | 20U41E0005 | CHANDAKA NAGALAXMI |
| 5 | 20U41E0006 | CHEKURI JYOSHNA DEVI |
| 6 | 20U41E0007 | DHARMISETTY SAIKUMAR |
| 7 | 20U41E0009 | LOTLA LALITHA SWARNA KUMARI |
| 8 | 20U41E0010 | SRI KAVYA |
| 9 | 20U41E0011 | MYLAPALLI GUNA SAILUSHA |
| 10 | 20U41E0012 | PANDURI PRADEEP |
| 11 | 20U41E0013 | PENTAKOTA BHAVYAVANI |
| 12 | 20U41E0014 | PENTAKOTA DRAKSHAYANI |
| 13 | 20U41E0017 | SEVA LAKSHMI MANASA |
| 14 | 20U41E0018 | SURISETTI NALINI |
| 15 | 20U41E0019 | SURISETTI PAVANI |
| 16 | 20U41E0020 | YALAMANCHILI SANTHI KUMARI |
| 17 | 20U41E0021 | YENUGUPALLI INDRAJA |
| 18 | 20U41E0022 | GRANDHI PRATYUSHA |
| 19 | 20U41E0023 | KARRI CHARISHMA SRAVANI |

**TOTAL STUDENTS : 22 TOTAL ATTENDEES : 19 TOTAL ABSENTEES : 03**

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# 2019 – 20

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## Best Practices – Teaching & Learning

Dadi Institute of Engineering and Technology with the effective functioning of all the faculty members have always tried to impart innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.

Here, students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year apart from the commonly implemented methods like Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, Newspaper readings, repeating difficult topics by topper students, field visits, Industrial visits, pictorial demonstration and many more activities.

It was a clear observation that more the number of sessions conducted with the above-mentioned concepts, better were the results obtained every semester.

Some of the glimpses of these strategies employed by the institute are shared in this document:

## Participatory & Experiential learning in Teaching and Evaluation method

In this academic year, the department of EEE implemented the spark club activities apart from regular teaching evaluation process. The Student involvement is more predominant in this year which helps them to motivate towards research oriented study.

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## SPARKS CLUB ACTIVITY

## Soft Skills – Classroom activity – 12/11/2019 93

**Date of Event** : **12-11-2019**
**Venue** : **LH 33 & LH 34**
**Time** : **1:30 pm to 4:00 pm**
**Beneficiaries** : **III EEE**
**No of Participants** : **93**
**Organized by** : **EEE Department SPARKS CLUB**

**Brief Summary:**

We are Glad to inform that the Department of EEE, DIET initiated Activity Oriented Training on a weekly basis to help students overcome limitations in exhibiting their soft skills and practice effective communication to get rid of stage fear through a series of activities out of which Extempore has been conducted on 12/11/2019.

Recorded videos of each participant were played on 14/11/2019 where a detailed analysis of the strengths and weaknesses of every participant were communicated to all the students to that it will help them perform better in the next appearance.

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## SPARKS CLUB ACTIVITY

## TECHNICAL TREASURE HUNT

| | |
|---|---|
| **Date of Event** | **: 04-04-2020** |
| **Venue** | **: Open Ground** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: II & IV EEE** |
| **No of Participants** | **: 123** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

This event involves the creative challenge initiated by students of 4th year who gave phase wise hints to the 2nd year students to try and chase the treasure and the team which traced the exact location emerged victorious. Students have actively participated in this brainstorming activity with utmost enthusiasm and this rubbed off to the remaining branch students to organize such activities across the campus. This event was organized under the supervision of Mr. Deleep kumar jami, Associate Professor EEE

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## SPARKS CLUB ACTIVITY

## SPARKS CLUB STALL ACTIVITIES

| | |
|---|---|
| **Date of Event** | **: 03-01-2020** |
| **Venue** | **: Girls' Sports Ground** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: II & IV EEE** |
| **No of Participants** | **: 185** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

In collaboration with professional bodies like IEEE & ISTE, EEE Department Sparks club conducted several stall activities along with inaugurating a professional student hub for girl students as a part of EDC – 'Women in Engineering Cell'. Several spot events along with technical competitions were actively conducted at the college sports ground where around 200 members made use of the opportunity

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## SPARKS CLUB ACTIVITY

## Leadership Skills – Activity – 11-03-2020

| | |
|---|---|
| **Date of Event** | **: 11-03-2020** |
| **Venue** | **: Seminar Hall – 2** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: III EEE** |
| **No of Participants** | **: 93** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

In this event, the student has to prepare a passage about the current trending issues and has to narrate it in front of other students with a unique idea about the solution to address the burning problems. 04 students has volunteered and narrated the passage effectively while 15 other students have utilized the opportunity to counter the ideas shared by these self motivated participants.

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### SPARKS CLUB ACTIVITY

### ELECTRICAL, ANALYTICAL & PRESENTATION SKILLS

| | |
|---|---|
| **Date of Event** | **: 10-12-2019** |
| **Venue** | **: Electrical Measurements Lab** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: IV EEE** |
| **No of Participants** | **: 89** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

This event is exclusively conducted for IV EEE students to enhance their technical, analytical and presentation skills where a circuital task is assigned to each team to perform individually and also as a group. Circuit once solved needs to be analyzed and sent to the remaining team members for presenting in front of other students of their respective classes

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## SPARKS CLUB ACTIVITY

## Brain Storming Session –EEE Inductees

**Date of Event** : 27-08-2019
**Venue** : Seminar Hall – 2
**Time** : 1:30 pm to 4:00 pm
**Beneficiaries** : III EEE
**No of Participants** : 93
**Organized by** : EEE Department SPARKS CLUB

**Brief Summary:**

As a part of this event, all the newly joined B.Tech. Lateral Entry Students are introduced to each other at Seminar Hall 2 where Prof. M. Sridhar, HOD EEE motivated the students to participate in the activates that are going to be conducted under Sparks Club to enhance their professional skills. Mr. Deleep Kumar Jami has initiated with 4 student volunteers and narrated the passage The event was conducted smoothly with all active participants and made it a successful one. This brainstorming session helped the Inductees as an icebreaking activity to share fresh ideas among the students

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### SPARKS CLUB ACTIVITY

### ELECTRICAL VISION
### 29-12-2019

**Date of Event** : **29-12-2019**
**Venue** : **LH – 33, 4th Floor**
**Time** : **1:30 pm to 4:00 pm**
**Beneficiaries** : **IV EEE**
**No of Participants** : **45**
**Organized by** : **EEE Department SPARKS CLUB**

**Brief Summary:**

In this event, students' ideas were taken into consideration for formulation of electrical vision with various aspects of Electrical Fundamentals shared in the presence of their mentors and class teachers. Many students have given their ideas regarding electrical vision. As the students of final years also invited a few 3rd years for the activity, because of their seniority in the institute, it added value to existing students also.

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SPARKS CLUB ACTIVITY

## Electrical Maze 28-12-2019

| | |
|---|---|
| **Date of Event** | **: 28-12-2019** |
| **Venue** | **: Electrical Circuits Lab** |
| **Time** | **: 1:30 pm to 4:00 pm** |
| **Beneficiaries** | **: IV EEE** |
| **No of Participants** | **: 29** |
| **Organized by** | **: EEE Department SPARKS CLUB** |

**Brief Summary:**

In this event the IV EEE-B students were given some clues by the Mr.A.Krishna Nag, Associate Professor to solve the maze puzzle. For this activity few students were only considered for solving the puzzle due to their active involvement. The puzzle finally solved by the 03 students with in the last minute.

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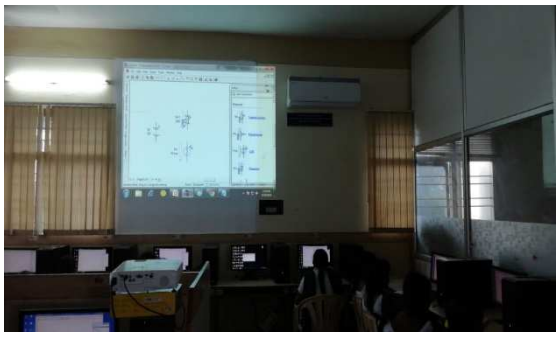
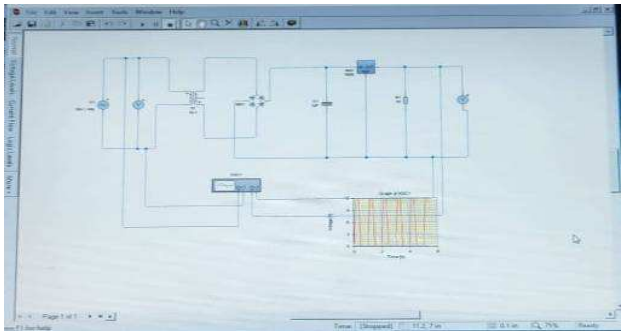
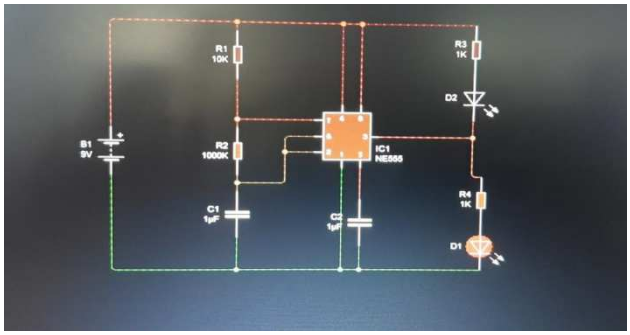
## PCB DESIGN WORKSHOP

The Department of Electronics and Communication Engineering of DIET, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a Six day workshop on " PCB DESIGN " for II B.Tech ECE Students during 16-09-2019 to 21-09-2019. The main aim of workshop is to develop the practical knowledge of students in advanced PCB software's and to design the multiple circuits . The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment.



**Placing the components on the schematic window**






**Designed few circuits by using live wire software**

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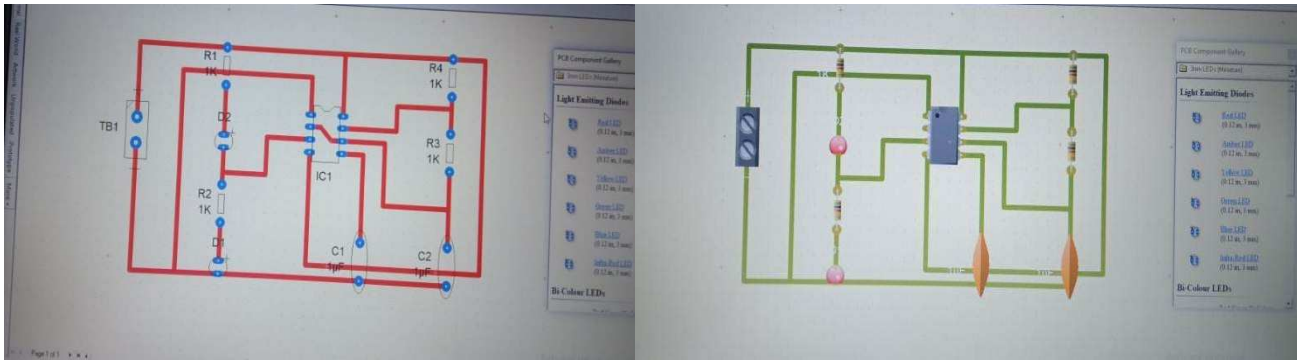


## A GUEST LECTURE ON" RECENT TRENDS IN ELECTRONICS & COMMUNICATION ENGINEERING "

In its pursuit of excellence in Technical Education Department of Electronics and Communication Engineering along with IETE Student Chapter of Dadi Institute of Engineering & Technology, Visakhapatnam conducted Guest Lecture on Recent Trends in Electronic and Communication Engineering on 12 th Dec-2019 on the occasion of Sir "ROBERT NORTON NOYCE'S " Birthday. The Department of ECE have conducted various events like PPT, Technical Quiz, Poster presentation, circuit challenge for B.Tech and Diploma students .

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**Chief Guest Dr C.h.Srinivasarao, addressing the gathering at the Inaguration**

The Guest Lecture aims to enhance and strengthen the skills among the students in the Biomedical signal processing. To impart knowledge in emerging technologies and get them trained towards Industrial in a planned manner. And the faculty members teaching the subject attended the lecture and enhanced their understanding of the subject. Clocking and Signal Routing, system properties in terms of impulse response, step response in terms of impulse response, Multirate and Wavelet Signal Processing Fourier Representation of Periodic Signals, CTFS and DTFS, definition, properties (No derivation) and basic problems, Z-transform, properties of the Region of convergence, Properties of the Z-Transform, Application of Biomedical signal processing .Inversion of the Z-Transform were discussed in his session. 160 students of ECE participated in the event

**Chief Guest Dr.Ch.Srinivasa Rao explaining the basics of signaling processing to the Students.**

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**Fundamentals of signal processing were taught in the seminar hall-2 to the participants.**

**Distribution of prizes by Chief Guest Dr.Ch.Srinivasa Rao, Dr Ch. S. Naga Prasad , Principal, Dr.B.RajaRao ,HOD, ECE.**

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**Distribution of prizes by Chief Guest Dr.Ch.Srinivasa Rao, Dr .Ch. S. Naga Prasad , Principal, Dr.B.RajaRao ,HOD, ECE.**

In thisacademic year, the department of CIVIL implemented the IE(I) student chapter activities apart from regular teaching evaluation process. The Student involvement is more predominant in this year which helps them to motivate towards research oriented study.

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## DEPARTMENT OF CIVIL ENGINEERING IN ASSOCIATION WITH DIET IE(I) STUDENT CHAPTER AND APSSDC

# ARCHITECTURAL MODELING USING REVIT WORKSHOP REPORT

**About CIVIL Engineering Department:**

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Programe and subsequently the intake got enhanced to 120 in the year 2013. At present the Department intake for undergraduate (B.Tech.) is 60. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Department has a mix of both experienced and young faculty. Majority of the faculty members actively involve themselves in improving their education qualifications and research works. Faculty and students are encouraged to attend and participate in various seminars, workshops and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences, and seminars.

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## DEPARTMENT OF CIVIL ENGINEERING

## TECHNICAL EVENT REPORT - 30/10/2019

**About CIVIL Engineering Department:**

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Civil Engineering Students practice of Architectural Modeling using Revit Day-6


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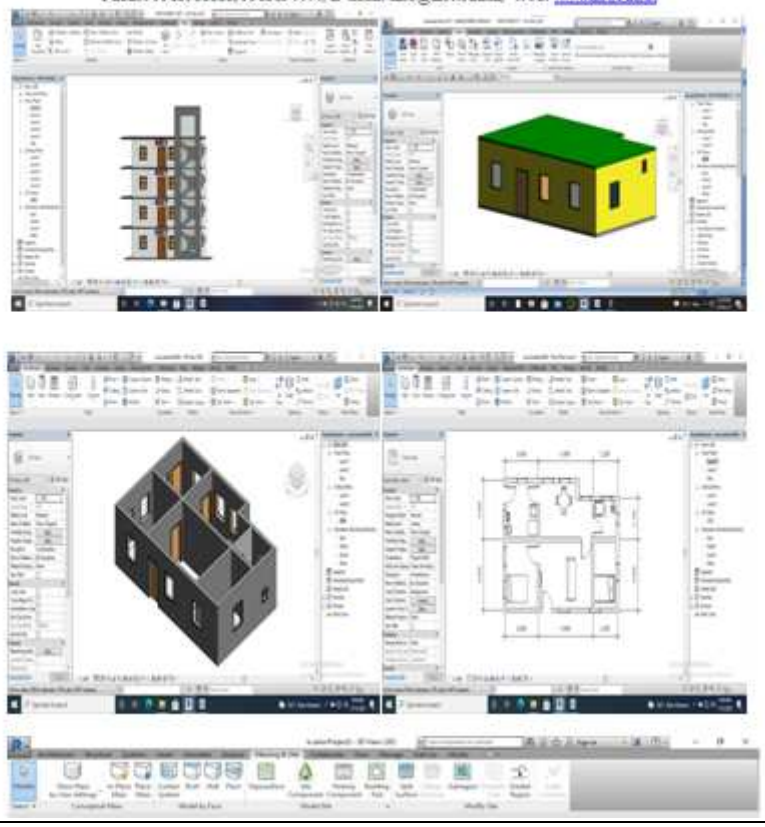

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Civil Engineering Students practice of Architectural Modeling using Revit Day-7

Civil Engineering Students practice of Architectural Modeling using Revit Day-7

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**About Technical Event:**

The Department of Civil Engineering of Dadi Institute of Engineering & Technology (DIET) in association with DIET IE(I) Student Chapter have organized a "Technical Event" on 30/10/2021, Saturday in Seminar Hall-2 of Dadi Institute of Engineering & Technology campus. With an objective to promote IE(I) Student Chapter importance among the students and also to promote the participating and organizing skills in the students, the "Technical Event" has been organized.

Technical Event Poster

Three events namely "Technical Quiz", "Identify the spotted image", and "Technical Seminar" have been conducted and students have participated with their teams.

Students' participation in Technical Quiz

Students' participation in Identify the Spotted Image

Students' participation in Technical Seminar

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Winners of the Events

In this occasion active participation certificates have been distributed to the students of IV Civil Engineering in recognition for their committed involvement in Civil Consultancy Activities.

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## DEPARTMENT OF CIVIL ENGINEERING

## TECHNICAL EVENT REPORT - 29/02/2020

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In this_academic year, the department of MBA continuing the B- Club activities apart from regular teaching evaluation process. Students are regularly evaluated on different parameters to check their progress throughout a semester. Class participation, seminars, announced tests, assignments, projects, etc. form part of this evaluation process. Students in this institute interacts with eminent guests from the industry on a regular basis. At the

university level, these guests having huge experience and unparalleled expertise come from varied industries and different countries. The Department of Management arranges for regular visit by high-ranking industry personnel to the campus. This ensures that the students have get to know about the latest happenings in the industry, thereby making them ready for their future endeavors.

**Interactive Session**

"DigitalBankingReformsinIndia"Department of Management Studies of Dadi Institute of Engineering & Technology(DIET) conducted Interactive Session on "Digital Banking Reforms in India" on 26/09/2019 in Seminar Hall

Sri.RVG Kulkarni, Senior Vice president of HDFC Bank, India, has graced the Dias as Chief Guest, T.Praveen Kumar, Deputy Vice President,Cluster Head, Visakhapatnam has graced the dias,Our Chairman Sri Dadi Ratnakar garu & Dr.P.B Ram Kumar,HOD of MBA Dept has graced the Dias.

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Sri RVG Kulkarni, Senior Vice President, HDFC BANK, as addressed the gathering regarding the digital banking influence on customers types of assets in banking sectors, types of loans providing to the customers, Rural banking Facilities and also he guided the students how to aspire competitive exams, Civil services & Foreign education in Reputed Universities.

Mr.Kulkarni also brifed about various exams which student could write during their studies inorder to settle in the banking and insurance industyry. Also explained about the career in the banking industry and the growth cycle.

T.Praveen Kumar, Deputy Vice President, Cluster Head, Visakhapatnam alsointeracted with the students and enlightened the students with the various digital banking tools.

News paper clipping :

## డైట్ కళాశాలలో డిజిటల్ బ్యాంకింగ్‌పై అవగాహన సదస్సు

కులకర్ణిని సత్కరిస్తున్న దృశ్యం

**అనకాపల్లి, న్యూస్‌లీడర్:** పట్టణంలోని డైట్ కళాశాలలో ఎంబీఏ, ఇంజనీరింగ్ విద్యార్థులకు డిజిటల్ బ్యాంకింగ్‌పై అవగాహన సదస్సు నిర్వహించారు. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా విచ్చేసిన హెచ్‌డీఎఫ్‌సీ వైస్ ప్రెసిడెంట్ ఆర్వీజే కులకర్ణి విద్యార్థులనుద్దేశంచి మాట్లాడుతూ డిజిటల్ బ్యాంక్ ప్రాముఖ్యతను వివరించారు. రిటైల్, హోల్‌సేల్ బ్యాంకింగ్ క్యాష్ మేనేజ్‌మెంట్ లోన్స్ గురించి క్లుప్తంగా వివరించారు. విద్యార్థులందరూ బ్యాంక్ పరీక్షల కోచింగ్ తీసుకొని పరీక్షలు రాయవలసిందిగా సూచించారు. వీటితో పాటు మొబైల్ బ్యాంకింగ్, కెవైసీ గురించి చెప్పారు. విద్యార్థులు అడిగిన వివిధ ప్రశ్నలకు ఆయన సమాధా నం ఇచ్చారు. ఇందులో భాగంగా కళాశాల ఛైర్మన్ దాడి రత్నాకర్ మాట్లా డుతూ మరో పది సంవత్సరాల తర్వాత బ్యాంకింగ్ ఉండదని, ఎందు కంటే అంతా డిజిటలైజేషన్ అవుతుందన్నారు. ఈ విషయాన్ని ప్రతి విద్యార్థి వారి తల్లిదండ్రులకు తెలియజేయాలని సూచించారు. ఈ కార్య క్రమంలో ఎంబీఏ విభాగాధిపతి డాక్టర్ రామ్‌కుమార్, అధ్యాపక సిబ్బంది పాల్గొన్నారు.


లీడర్ Sat, 28 September 2019
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# 2.3.1 EXPERIENTIAL AND PARTICIPATIVE LEARNING

## Project batches 2019-20

| Bat. No | Regd. No | Name of the student | Title |
|---|---|---|---|
| 1 | 16u41a05a7 | Kolichina poojitha | Secure two party computation |
| | 16u41a0571 | Saripalli sai keerthi | |
| | 16u41a0594 | Dasari bhavyasri | |
| | 16u41a0599 | Hafeeza begum | |
| | 16u41a05c4 | Karri alekya | |
| | 16u41a05b8 | Konathala sharmila | |
| 2 | 16u41a0592 | U. Venkata sai manaswini | Efficient vehicle detection system on the roads using deep learning |
| | 16u41a05d1 | Jage raju | |
| | 16u41a0595 | Rapeti sravani lakshmi | |
| | 16u41a0587 | Joshna bisai | |
| | 16u41a05b7 | Anusha kumari swain | |
| | 16u41a05b5 | Vegi vamsi sai krishna | |
| 3 | 16u41a05a9 | Adari mounica maha lakshmi | College information chatbot using natural language processing |
| | 17u45a0501 | Gonthina mahesh | |
| | 16u41a0590 | Nanepalli nagasree | |
| | 16u41a05b0 | R sai sri suma | |
| | 16u41a0575 | Teegala sai naveen | |
| | 16u41a05a5 | Sandrani varalaxmi | |
| 4 | 16u41a0591 | T. Swethasri divya parvathi | Institute examcell automation with mobile application interface |
| | 16u41a05c7 | B lakshmi dhakshayani | |
| | 16u41a05c6 | Tangati santhosh | |
| | 16u41a0579 | Ayithamsetti jayasri | |
| | 16u41a05a8 | Kadiri renuka | |
| Bat. No | Regd. No | Name of the student | Title |
| 5 | 16u41a05b3 | Pulavarthi sailaja | In overhead tanks using internet of things and mobile application |
| | 16u41a05b2 | Dadi supraja | |
| | 16u41a0593 | B prasanth | |
| | 16u41a0569 | Sana naveen kumar | |
| | 16u41a05d0 | Surisetti dedeepya | |
| 6 | 16u41a05c3 | Kanithi mounika | Analasys of malicious facebook applications using machine learning algorithms |
| | 16u41a0584 | Sri lakshmi padala | |
| | 16u41a05c1 | Amireddi manasa | |
| | 16u41a0582 | Yelamala pallavi | |

| Batch. no | Regd. No | Name of the student | title |
|---|---|---|---|
| 1 | 16u41a0521 | Garbham himabindu | hate speech recognition with machine learning using python with opinion mining |
| | 16u41a0504 | Ankamreddi devi | |
| | 16u41a0511 | Botta mounika | |
| | 16u41a0531 | Kandregula n s surya | |
| | 16u41a0549 | Mirthypati uma | |
| 2 | 16u41a0515 | Raja danduboyina | traffic analysis using object detection with deep learning |
| | 16u41a0514 | Chekuri jyoshna devi | |
| | 16u41a0510 | Bheemarasetty anusha | |
| | 16u41a0534 | Kannuru sai reshma sri | |
| | 16u41a0527 | Itha vanitha | |
| 3 | 16u41a0566 | Pothula ushasri | driver drowsiness detection and alarm system using machine learning |
| | 16u41a0538 | Kolati ravali | |
| | 16u41a0535 | Koduru sirisha | |
| | 16u41a0559 | Pudi kaveri pavan kumar | |
| | 16u41a0552 | Mycherla vamsi krishna | |
| 4 | 16u41a0546 | Malla divya sree | student result prediction using support vector machine |
| | 16u41a0516 | Daremisetty malathi | |
| | 16u41a0523 | Grandhi pratyusha | |
| | 16u41a0501 | Adari nandini | |
| | 16u41a0537 | Kolanki charmila | |
| 5 | 16u41a0522 | G. Lakshmi sai keerthana | iot based borewell water level detection and auto control of submerisible pumps |
| | 16u41a0547 | M lakshmi kamalanjali | |
| | 16u41a0529 | Joga chakravarthi | |
| | 16u41a0503 | Adireddi tulasi | |
| | 16u41a0554 | N. G. N m p surya prakash | |
| 6 | 16u41a0551 | Mukkala triveni | Service quality evaluation by exploring social users contexual information using association rule mining algorithms |
| | 16u41a0543 | Lalam dharani | |
| | 16u41a0540 | Konathala nandini shri | |
| | 16u41a0542 | Koyilada lanith sai | |
| 7 | 16u41a0506 | Bandaru yamini | fake news detection using machine learning algorithms |
| | 16u41a0563 | P laxmi bhargavi | |
| | 16u41a0565 | P sai durga prasadu | |
| | 16u41a0560 | P. V v satya sai sriram | |
| | 167a1a0523 | Maduri.g | |

| **Batch no** | **Regd. No** | **Name of the student** | **Name of the guide** | **Title** |
|---|---|---|---|---|
| 1 | 17u45a0224 | Kundala durga rao | Mr. B.t. Ramakrishna rao | Matlab/simulink based intelligent power quality conditioner using fuzzy logic controller |
| | 17u45a0259 | Rongali gangadhar | | |
| | 17u45a0203 | Bheesetty pavankumar | | |
| | 17u45a0240 | Rallapati ganeswara rao | | |
| | 17u45a0202 | Adari venkata ajay | | |
| 2 | 17u45a0223 | Kothapalli lalitha | Mr.k.vijay kumar | Modelling and |

| | | | | |
|---|---|---|---|---|
| | 17u45a0244 | Sornapudi harsha | | simulation of dynamic voltage restorer for power quality problems |
| | 17u45a0207 | Dadi atchutha | | |
| | 17u45a0204 | Boddeda lokesh | | |
| | 17u45a0233 | Pakkurti vinay | | |
| 3 | 17u45a0225 | Majji roopa | Mrs alfoni jose | Design of piezoelectric energy harvester |
| | 17u45a0249 | Yenneti meena | | |
| | 17u45a0210 | Gannu naresh | | |
| | 17u45a0205 | Boddeda siva sai | | |
| | 16u41a0205 | P nagabhushanam | | |
| 4 | 16u41a0210 | S charan | Mr.k.srinivasa rao | Monitoring and fault detection system for power transmission system using gsm technology |
| | 17u45a0261 | Velugula manikanta | | |
| | 17u45a0213 | Gollavilli swathi | | |
| | 17u45a0208 | Dalli m d devendra prasad | | |
| | 16u41a0209 | S surendra babu | | |
| **Batch no** | **Regd. No** | **Name of the student** | **Name of the guide** | **Title** |
| **5** | 17u45a0212 | Gavara revathi | Mr.Rajendra prasad | Simulation of control strategy of single axel parallel hybrid electric vehicle |
| | 17u45a0211 | Ganugula siva | | |
| | 17u45a0222 | Kothakota kiran | | |
| | 17u45a0254 | Padala gangadhar | | |
| | 17u45a0248 | Vegi venkata s sai hari haran | | |
| **6** | 17u45a0220 | Kollu gangaram | Mr.J.deleep kumar | Sign to speech conversion using android phone for dumb people |
| | 17u45a0215 | Kandelli sowjanya | | |
| | 17u45a0231 | Nandarapu ananth kumar | | |
| | 17u45a0239 | Puredla srihari babu | | |
| | 17u45a0219 | Koilada prasad | | |
| **7** | 17u45a0229 | Mindi mahesh | Mr.D.ch.nookesh | Dual axis solar tracking using arduino |
| | 17u45a0234 | Pampana pravallika | | |
| | 17u45a0236 | Pentaboina sudharshan | | |
| | 17u45a0262 | Kandregula sampath kumar | | |
| | 17u45a0251 | Nandarapu naidu | | |
| **8** | 17u45a0260 | Vanam vinay | Mr.G.jagadeesh | Modelling and simulation of 9 level cascaded h- bridge multilevel inverter |
| | 17u45a0246 | Surisetty lavanya | | |
| | 17u45a0206 | Chandhaka sai kumar | | |
| | 16u41a0204 | S janardhan | | |
| | 17u45a0253 | Aythi avinash yadav | | |

| Batch no | Regd. No | Name of the student | Name of the guide | Title |
|---|---|---|---|---|
| 9 | 17u45a0226 | Malla joshi | Mr.p.viniod kumar | Hormony assessment for 9 bus power system under non linear load using static synchronous series compensator |
| | 17u45a0250 | Kandregula kishore | | |
| | 17u45a0227 | Malla varaprasad | | |
| | 17u45a0256 | Kkandregula venkatesh | | |
| | 17u45a0237 | Pitta kishore | | |
| 10 | 17u45a0216 | Kandipilli lavanya | Mr.p.jagruthi | Gesture controlled robot |
| | 17u45a0235 | Pedireddla venkata t swaroup | | |
| | 17u45a0247 | Vangala jayaram | | |
| | 16u41a0202 | K ashwin kumar | | |
| | 16u41a0207 | P chandra mouli | | |
| 11 | 17u45a0218 | Koilada kavya | Mrs.A.l.durga | Multi functional service robot |
| | 17u45a0242 | Senapathi ganesh | | |
| | 17u45a0221 | Koppoju sai kumar | | |
| | 16u41a0206 | V.mounika | | |
| | 17u45a0217 | Kandregula hari rama krishna | | |
| 12 | 17u45a0232 | Ommi maneswara | Ms.A.v.s lakshmi | Smart home using pir sensor |
| | 17u45a0245 | Srikakulam mahesh | | |
| | 17u45a0257 | Bheesetti rama krishna mahesh | | |
| | 16u41a0203 | K siva | | |
| | 17u45a0209 | Gangiredla manikanta | | |
| 13 | 17u45a0243 | Shaik sharif | Mr.M.raja rao | Power quality improvement by using apf |
| | 17u45a0252 | Jogi laxman sai kiran | | |
| | 17u45a0241 | Saragadam suresh | | |
| | 17u45a0214 | Jerripothulu giri kumar | | |
| | 15u41a0206 | B.vinay | | |
| 14 | 17u45a0258 | Reddi ramya | Mr.ch. Ravi kumar | Smart helmet and intelligent bike system |
| | 17u45a0255 | Puvvularouthu ravi teja | | |
| | 16u41a0208 | R dinesh verma | | |
| | 17u45a0230 | Mopada nanaji | | |
| | 15u41a0215 | A durga babu | | |

| No | Regd. No | Name of the Student | Name of the guide | Title of the Project |
|---|---|---|---|---|
| 1 | 17U45A0127 | MADIBOYINA MADHURI | Mr. K Chaitanya | AN EXPERIMENTAL STUDY ON SELF-HEALING CONCRETE USING BACILLUS SUBTILIS |
| | 17U45A0138 | PIRADI NOOKARAJU | | |
| | 16U41A0111 | SONU KUMAR URAW | | |
| | 17U45A0142 | SALAPU JAGADEESH | | |
| | 17U45A0115 | JAGARAPU YASWANTH | | |
| 2 | 17U45A0125 | MADDALA ANURADHA LAKSHMI | Mr. D.V Shanmukesh | STORM WATER RUNOFF MANAGEMENT BY USING PERVIOUS PAVEMENT |
| | 16U41A0102 | CHANDRA AMUKTHA MALYADA | | |
| | 17U45A0137 | PETLA YAMINI SWETHA | | |
| | 16U41A0101 | BANDARU SANKAR | | |
| | 17U45A0149 | THONDA GANESH | | |
| 3 | 17U45A0111 | GEDUTHURI RAMYA | Mrs. K Manohar ini | AN EXPERIMENTAL STUDY ON BEHAVIOUR OF WARM MIX ASPHALT BY USING ZYCOTHERM |
| | 17U45A0143 | SARAGADAM GAYATHRI | | |
| | 17U45A0114 | GUNNABATTULA GAYATRI | | |
| | 17U45A0148 | TADI BHANU SEKHAR | | |
| | 17U45A0146 | SURISETTI JAGADEESH | | |
| 4 | 17U45A0116 | JERRIPOTHULA SRAVANI | Mr. B Sudheer Kumar | STRENGTHENING AND COMPARATIVE STUDY OF RC BEAMS USING GFRP WITH VARIOUS LAYERS |
| | 17U45A0131 | MANTHINI VENKATA RAMANA | | |
| | 17U45A0129 | MANDAPAKA KISHORE | | |
| | 17U45A0109 | DEKKA RAMCHANDU | | |
| | 16U41A0112 | SURISETTY NAGAPHANEENDRA | | |
| 5 | 17U45A0123 | KOSANAM RENUKA NAGA | Mr. N Ramu | AN EXPERIMENTAL STUDY ON COST REDUCTION OF BUILDING BY USING HOLLOW PANEL BOARDS |
| | 16U41A0108 | PALLA PARAMESWARI | | |
| | 17U45A0102 | BADAMPUDI RAVICHINNA | | |
| | 17U45A0122 | KOPPISETTY RAJESH | | |
| | 16U41A0106 | KORIBILLI ANIL KUMAR | | |
| 6 | 17U45A0126 | MADDALA CHAKRAVARTHI | Mr. DV Shanmukesh | DEVELOPMENT OF DESIGN CHARTS FOR THE IRREGULAR SLABS PATTERN |
| | 17U45A0103 | BALIREDDI HEMANTH KUMAR | | |
| | 17U45A0120 | KANDULA RAVI TEJA | | |
| | 17U45A0112 | GODDU ASIRINAIDU | | |
| | 17U45A0139 | POLIMERA SURYANARAYANA | | |

| | | | | |
|---|---|---|---|---|
| 7 | 17U45A0121 | KONKUPUDI SANKAR SAI | Mrs. P Lavanya | STRENGTHENING OF CLAYEY SOILS BY USING GEOGRIDS |
| | 17U45A0119 | KANDREGULA SAMPATH KUMAR | | |
| | 17U45A0147 | SURISETTY JYOTHI | | |
| | 17U45A0141 | SALAPU DURGA PRASAD | | |
| | 16U41A0107 | KOTNI NARESH | | |
| | | | | |
| No | Regd. No | Name of the Student | Name of the | Title of the Project |
| 8 | 17U45A0135 | PALLA LAKSHMI HARIKA | Mr. M Guptha | EXPERIMENTAL STUDY ON LIGHT TRANSMITTED CONCRETE |
| | 17U45A0108 | CHUKKALA JAGADISH SAIRAM | | |
| | 17U45A0118 | KAKARA KARTHIK | | |
| | 17U45A0140 | PONNAGANTI SATEESH | | |
| | 16U41A0109 | POTHALA ARUN KUMAR | | |
| | | | | |
| 9 | 17U45A0145 | SILAPARASETTI VENKATESH | Mr. PLN | COMPARATIVE STUDY OF RC STRUCTURES USING SEA SAND & REINFORCEMENT COVERED BY PLASTIC TUBES |
| | 17U45A0136 | PEELA BALA SAI | | |
| | 17U45A0106 | BOTTA SIVA VENKATA SAI | | |
| | 17U45A0132 | MATHALA PRAVEEN KUMAR | | |
| | 17U45A0133 | MEDISETTI BHANU PRASAD | | |
| | | | | |
| 10 | 17U45A0104 | BODDETI NAVEENA LAKSHMI | Mr. M Guptha | IMPROVING THE PROPERTIES OF ASPHALT CONCRETE BY ADDITION OF PLASTIC WASTE AND CRUMB RUBBER |
| | 16U41A0115 | SIDDA SIRISHA | | |
| | 17U45A0134 | MUDAPAKA NAVEEN | | |
| | 17U45A0128 | MAGARAPU SANTOSH KUMAR | | |
| | 16U41A0113 | VIYYAPU BHASKAR RAO | | |
| | | | | |
| 11 | 16U41A0110 | POTNURU SAI KUMAR | Mr. K Appalanaidu | AN EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT REINFORCED CONCRETE ELEMENTS BY USING POLYPROPYLENE MATERIAL |
| | 17U45A0107 | CHAKKALA DURGAPRASAD | | |
| | 16U41A0104 | GANNU PYDI RAJESH | | |
| | 17U45A0151 | SILAPARASETTI JAGADEESH | | |
| | 16U41A0114 | PEDADA RAJ MAHESH | | |
| | | | | |
| | | | | |
| 12 | 17U45A0113 | GUDE NANDI PRIYA | Mr DA Ramacharyulu | IMPROVING THE PROPERTIES OF AUTOCLAVED AERATED BLOCKS BY ADDITION OF GLASS FIBER |
| | 17U45A0144 | SATHIVADA SITARAM | | |
| | 17U45A0124 | LALAM ANANTHA BABU | | |
| | 17U45A0105 | BOTLA TARUN | | |
| | 17U45A0101 | ALLA BABA AJAY | | |
| | | | | |
| 13 | 17U45A0130 | MANNI GOVINDA KRISHNA | Mrs. Sandhi | AN EXPERIMENTAL STUDY ON REPLACEMENT FOR AGGREGATE WITH E-WASTE AND SLAG IN CONCRETE |
| | 16U41A0116 | PENTAKOTA GEETHANJALI | | |
| | 17U45A0117 | JOMMALA VANI | | |
| | 17U45A0110 | DEVI POLAMARASETTY | | |
| | | | | |

# FACIAL EXPRESSION BASED EMOTION RECOGNITION

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


| | |
|---|---|
| T.LAKSHMI SWETHA | 16U41A0576 |
| S.VIJAY KUMAR | 16U41A0573 |
| G.JYOTHI | 16U41A05A6 |
| A.SANTHOSHI KUMARI | 16U41A05B6 |
| L.NAVEEN CHAKRAVATHI | 16U41A05C2 |


*Under the Esteemed Guidance of*

**Mr.G.Appa Rao**

Asst.Professor, Department of CSE


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


**2020**

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ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
**NH-16, Anakapalle-531002, Visakhapatnam, A.P.**

## CERTIFICATE

This is to certify that the Project work entitled "FACIAL EXPRESSION BASED EMOTION RECOGNITION" is being submitted by T. LAKSHMI SWETHA (16U41A0576), S. VIJAY KUMAR (16U41A0573) G. JYOTHI (16U41A05A6), A.SANTHOSHI KUMARI (16U41A05B6) ,L. NAVEEN CHAKRAVARTHI (16U41A05C2) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

**Mr. G. APPA RAO**
**(Asst. PROFESSOR)**
(PROJECT GUIDE)

**Dr. L. PRASANNA KUMAR**
**(PROFESSOR)**
(HEAD OF THE DEPARTMENT)

Head of the Department
Computer Science and Engg
Dadi Institute of Engg. & Tech
Anakapalle - 531 002

# AIR QUALITY MONITORING AND WATER QUALITY TESTING SYSTEM BASED ON IOT

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


| | |
|---|---|
| V.KAMESWARI | 16U41A0580 |
| V.RAGHURAM | 16U41A0581 |
| S. BHANU VARDHAN | 16U41A05C0 |
| Y. SAILAJA | 16U41A0583 |
| S. NAGAMANI | 16U41A05A4 |


*Under the Esteemed Guidance of*

**Miss D. HARSHITHA**

Assistant Professor, Department of CSE


**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**

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

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## CERTIFICATE

This is to certify that the Project work entitled **"AIR QUALITY MONITORING AND WATER QUALITY TESTING SYSTEM BASED ON IOT"** is being submitted by V.KAMESWARI (16U41A0580) ,V.RAGHURAM(16U41A0581), S.BHANUVARDHAN (16U41A05C0), Y.SAILAJA (16U41A0583), S.NAGAMANI (16U41A05A4) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-2020.

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# ANALYSIS TO PREDICT THE BITCOINS PRICE USING MACHINE LEARNING ALGORITHMS

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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## CERTIFICATE

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# IOT BASED SMART TRAFFIC MANAGEMENT SYSTEM

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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# Efficient Vehicle Detection System on the roads using Deep Learning

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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This is to certify that the project work entitled "EFFICIENT VEHICLE DETECTION SYSTEM ON THE ROADS USING DEEP LEARNING" is being submitted by U V S MANASWINI (16U41A0592), J RAJU (16U41A05D1), R SRAVANI (16U41A0595), JOSHNA BISAI (16U41A0587), ANUSHA SWAIN (16U41A05B7),) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-2020.

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# ANALYSIS OF MALICIOUS FACEBOOK APPLICATIONS USING MACHINE LEARNING ALGORITHMS

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

**BACHELOR OF TECHNOLOGY**

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EXTERNAL EXAMINER

# SECURE TWO PARTY COMPUTATION

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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EXTERNAL EXAMINER

# SERVICE QUALITY EVALUATION BY EXPLORING SOCIAL USERS CONTEXTUAL INFORMATION USING ASSOCIATION RULE MINING ALGORITHMS

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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This is to certify that the Project work entitled "DATA MINING BASED SERVICE QUALITY EVALUATION BY EXPLORING SOCIAL USERS CONTEXTUAL INFORMATION" is a being submitted by M.TRIVENI (16U41A0551), L.DHARANI (16U41A0543), K.NANDINI SHRI (16U41A0540), K.LANITH SAI (16U41A0542), in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

# COLLEGE INFORMATION CHATBOT USING NATURAL LANGUAGE PROCESSING

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

**BACHELOR OF TECHNOLOGY**

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EXTERNAL EXAMINER

# INSTITUTE EXAMCELL AUTOMATION WITH MOBILE APPLICATION INTERFACE

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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EXTERNAL EXAMINER

# CLOUD BASED SMART PARKING SYSTEM

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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**Dr. L. PRASANNA KUMAR**
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EXTERNAL EXAMINER

# FAKE NEWS DETECTION USING MACHINE LEARNING ALGORITHMS

***A Project Report submitted in partial fulfilment of the Requirement for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

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EXTERNAL EXAMINER

# IOT BASED GARBAGE MONITORING SYSTEM FOR SMART CITY

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

**BACHELOR OF TECHNOLOGY**

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


**2020**

# HATE SPEECH RECOGNITION WITH MACHINE LEARNING USING PYTHON WITH OPINION MINING

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

**BACHELOR OF TECHNOLOGY**

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**2020**

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This is to certify that the Project work entitled "HATE SPEECH DETECTION WITH MACHINE LEARNING USING PYTHON WITH OPINION MINING" is a being submitted by G.HIMA BINDU (16U41A0521), A.DEVI (16U41A0504), B.MOUNIKA (16U41A0511), M.UMA (16U41A0549), K.N.S.SURYA (16U41A0531) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

# Traffic Analysis using Object Detection with Deep Learning

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted By*


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*Under the Esteemed Guidance of*

**Dr. L. Prasanna Kumar**
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This is to certify that the project work entitled "TRAFFIC ANALYSIS USING OBJECT DETECTION WITH DEEP LEARNING" is being submitted by D RAJA (16U41A0515), CH JYOSHNA DEVI (16U41A0514), B ANUSHA (16U41A0510), K RESHMA SRI (16U41A0534), I VANITHA (16U41A0527) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

# A SHOULDER SURFING RESISTANT GRAPHICAL AUTHENTICATION SYSTEM

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

**BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING**


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This is to certify that the Project work entitled "A SHOULDER SURFING RESISTANT GRAPHICAL AUTHENTICATION SYSTEM" is a being submitted by G KALYANI (16U41A0520), CH SWATHI (16U41A0512), N HARSHINI (16U41A0555),P ROHIT (16U41A0561), P HARINI (16U41A0558), B ASHWINI (16U41A0526) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

# THE OPTIMIZATION OF BLOOD DONOR INFORMATION AND MANAGEMENT SYSTEM USING MACHINE LEARNING

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

**BACHELOR OF TECHNOLOGY**

**IN**

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*Submitted by*


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This is to certify that the Project work entitled "THE OPTIMIZATION OF BLOOD DONOR INFORMATION AND MANAGEMENT SYSTEM USING MACHINE LEARNING" is a being submitted by G HARSHITHA (16U41A0525), P SOWJANYA (16U41A0564), M SRI RAMYA (16U41A0548), K MANOJ VARMA (16U41A0536), B MONICA (16U41A0505) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

# LIGHT WEIGHT SECURITY
# AND
# DATA PROVENANCE FOR MULTI-HOP IOT

***A Project Report submitted in partial fulfillment of the Requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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EXTERNAL EXAMINER

# AUTOMATED WATER FLOW CONTROL SYSTEM IN OVERHEAD TANKS USING INTERNET OF THINGS AND MOBILE APPLICATION

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

**BACHELOR OF TECHNOLOGY**

**IN**

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# DRIVER DROWSINESS DETECTION AND ALARM SYSTEM USING MACHINE LEARNING

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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EXTERNAL EXAMINER

# STUDENT RESULT PREDICTION USING SUPPORT VECTOR MACHINE

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

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EXTERNAL EXAMINER

# DIABETES PREDICTION USING MACHINE LEARNING

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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EXTERNAL EXAMINER

# IOT BASED
# BOREWELL WATER LEVEL DETECTION AND AUTO CONTROL OF SUBMERSIBLE PUMPS

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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EXTERNAL EXAMINER

# SHAPED BEAMS FROM CIRCULAR APERTURE ANTENNAS

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

**BACHELOR OF TECHNOLOGY**

**IN**

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# VOICE ACTIVATED SMART HOME DESIGN AND IMPLEMENTATION USING AMAZON ALEXA

*A Project* **Report submitted in partial** *fulfillment* **of the** *Requirements* **for the award of** *the* **degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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This is to certify that the project work entitled "VOICE ACTIVATED SMART HOME DESIGN AND IMPLEMENTATION USING AMAZON ALEXA" is being submitted by G.SATTIREDDY (16U41A0407), D.JYOTHSNA (17U45A0404), M.MANI (17U45A0412), B.SAILAJA (17U45A0402) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2019-2020.

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# DESIGN OF COMPACT MONOPOLE DUAL BAND CONFORMAL MICROSTRIP ANTENNA

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

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## CERTIFICATE

This is to certify that the Project work entitled "DESIGN OF COMPACT MONOPOLE DUAL BAND CONFORMAL MICROSTRIP ANTENNA" is being submitted by Y.ARUNA(16U41A0439), D.MANISHA(16U41A0406), V.REVATHI (17U45A0418), K.MADHURI PRIYA (16U41A0415), J.KANAKARAJU (16U41A0409) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2019-2020.

**Mr.P.JAGANMOHAN**
(ASST.PROFESSOR)
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**Dr. B. RAJA RAO**
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# DESIGN OF FPGA BASED 64-BIT FLOATING POINT ARITHMETIC UNIT

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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| B. PRATHYUSHA | 16U41A0403 |
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# CERTIFICATE

This is to certify that the Project work entitled "DESIGN OF FPGA BASED 64-BIT FLOATING POINT ARITHMETIC UNIT" is a being submitted by B.PRATHYUSHA (16U41A0403), N.GUNA GOPI SURENDRA (17U45A0414), S.SANDHYA (16U41A0429), B.SANDEEP (16U41A0402), P.VENKATA LAKSHMI (17U45A0417) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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**Mr. MALLA KISHORE KUMAR**
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# COLOR BASED IMAGE SEGMENTATION USING K-MEANS CLUSTERING

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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## CERTIFICATE

This is to certify that the Project work entitled "COLOR BASED IMAGE SEGMENTATION USING K-MEANS CLUSTERING" is being submitted by M.HEMALATHA (16U41A0419), G.BHAGYA LAKSHMI (16U41A0443), S.TEJA (16U41A0413), J.RAJU (16U41A0408), P.RAJESH (17U45A0416) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

# REAL TIME OFFICE SECURITY AND SAFETY SYSTEM

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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*Under the Esteemed Guidance of*

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


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for

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Electronics & Communication Engg.
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EXTERNAL EXAMINER

# ELECTRONIC CHARACTERISTICS OF BEAM STEERING PHASED ARRAY ANTENNA FOR MOBILE APPLICATIONS

***A project Report submitted in partial fulfillment of the requirements for the award of the degree of***

**BACHELOR OF TECHNOLOGY**

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## CERTIFICATE

This is to certify that the project work entitled "ELECTRONIC CHARACTERISTICS OF BEAM STEERING PHASED ARRAY ANTENNA FOR MOBILE APPLICATION" is being submitted by S.BHAVYA BHARGAVI (16U41A0432), K.G.L.VIKAS(17U45A0411),A.P.D.SANKEERTHANA(16U41A0401),Y.PRASADNAIDU(17U45A0423),K.YAMINI (16U41A0412) in partial fulfillment of the requirement for the award of the degree in BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

# IOT BASED GESTURE TO SPEECH CONVERTING GLOVES WITH ANDROID SYSTEM

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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## CERTIFICATE

This is to certify that the Project work entitled "IOT BASED GESTURE TO SPEECH CONVERTING GLOVES WITH ANDROID SYSTEM" is being submitted by S PRADEEP KUMAR (16U41A0433), P BHANU PRASAD (16U41A0421), R REVATHI (16U41A0426), G ESWARA NAGA ALIVENI (17U45A0408), N SREEKANTH (16U41A0446) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

# IMAGE ENCRYPTION METHOD BASED ON MODULAR MATRIX TRANSFERMATION AND COORDINATE SAMPLING

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

**BACHELOR OFTECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**


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

## CERTIFICATE

This is to certify that the Project work entitled "**IMAGE ENCRYPTION METHOD BASED ON MODULAR MATRIX TRANSFERMATION AND COORDINATE SAMPLING"** is being submitted by V. SAI SRUJANA (16U41A0436), N. JYOTHI (17U45A0415), P. VASU (16U41A0422), B. NAGENDRA (17U45A0403), P. MADHAVI (16U41A0450) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-20.

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Anakapalle - 531 002.

EXTERNAL EXAMINER

# AUTOMATIC DOOR ACCESS SYSTEM USING FACE RECOGNITION

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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# CERTIFICATE

This is to certify that the project work entitled "AUTOMATIC DOOR ACCESS SYSTEM USING FACE RECOGNITION" is being submitted by S GANESH (17U45A0419), S DEEPIKA ALEKHYA (16U41A0428), P SRUJITHA (16U41A0442), K GANESH SAI (17U45A0407), S JYOTHI (16U41A0430) in partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

# Design of a New Low Power Pulse Triggered Flip-Flop Design with Conditional Pulse-Enhancement Scheme

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

**BACHELOR OF TECHNOLOGY**

**IN**

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## CERTIFICATE

This is to certify that the Project work entitled "DESIGN OF A NEW LOW POWER PULSE TRIGGERED FLIP-FLOP DESIGN WITH CONDITIONAL PULSE - ENHANCEMENT SCHEME." is being submitted by P. PREETHE (16U41A0448), K. RESHMA (16U41A0423), U. RAJ KUMAR (16U41A0435), K. UGANDHAR (17U45A0409), Y. MAHESWARARAO (17U45A0422) by in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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# Implementation of high performance anti-collision technique for RFID UHF tag

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

**BACHELOR OF TECHNOLOGY**

**IN**

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## CERTIFICATE

This is to certify that the Project work entitled "IMPLEMENTATION OF HIGH PERFORMANCE ANTI-COLLISION TECHNIQUE FOR RFID UHF TAG" is a being submitted by K.ANITHA (16U41A0411), A.KUMAR (17U45A0401), V.RAMALAKSHMI(16U41A0438),V.GOWTHAMI(16U41A0437),T.S.S.HARSHA (17U45A0420) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

# AUDIO COMPRESSION USING WAVELET TRANSFORMATION

***A Project Report submitted in partial fulfillment of the Requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**


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EXTERNAL EXAMINER

# IMPLEMENTATION OF SINGLE AXEL PARALLEL HYBRID ELECTRIC VEHICLE USING MATLAB/SIMULINK

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

BACHELOR OF TECHNOLOGY

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# CERTIFICATE

This is to certify that the project report entitled **" IMPLEMENTATION OF SINGLE AXEL PARALLEL HYBRID ELECTRIC VEHICLE USING MATLAB/SIMULINK."** submitted by V.V.S.S.HARIHARAN (17U45A0248) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical &Electronics Engineering*, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinadajis a record of bona fide work carried out by him under my guidance and supervision.

Mrs. B. AISHWARYA
Assistant Professor
**PROJECT GUIDE**

Mr. B. T. Ramakrishna Rao
Associate professor
**HEAD OF THE DEPARTMENT**

# SMART HELMET WITH INTELLIGENT BIKE SYSTEM

***A 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*


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| R. Dinesh Varma | 16U41A0208 |
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*Under the Esteemed Guidance of*

**Mr. CH. RAVI KUMAR**, M.Tech

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# CERTIFICATE

This is to certify that the Project work entitled " SMART HELMET WITH INTELLIGENT BIKE SYSTEM " is being submitted by R RAMYA (17U45A0258), P RAVI TEJA (17U45A0255), R DINESH VARMA (16U41A0208), M NANAJI (17U45A0230), K DURGA RABU (15U41A0215) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-2020.

**Mr. CH. RAVI KUMAR**
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EXTERNAL EXAMINER

# MODELING AND SIMULATION OF DYNAMIC VOLTAGE RESTORER (DVR) FOR POWER QUALITY PROBLEMS

*A 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*


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*Under the Esteemed Guidance of*

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

# CERTIFICATE

This is to certify that the project report entitled " **IMPLEMENTATION OF SINGLE AXEL PARALLEL HYBRID ELECTRIC VEHICLE USING MATLAB/SIMULINK.**" submitted by V.V.S.S.HARIHARAN (17U45A0248) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in *Electrical &Electronics Engineering*, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada)is a record of bona fide work carried out by him under my guidance and supervision.

Mrs. B. AISHWARYA
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## CERTIFICATE

This is to certify that the Project work entitled "MODELING AND SIMULATION OF DYNAMIC VOLTAGE RESTORER (DVR) FOR POWER QUALITY PROBLEMS" is a being submitted by K LALITHA (17U45A0223), D ATCHUTHA (17U45A0207), S HARSHA (17U45A0244), B LOKESH (17U45A0204), P VINAY (17U45A0233) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-20.

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EXTERNAL EXAMINER

# MATLAB/SIMULINK BASED INTELLIGENT POWER QUALITYCONDITIONER USING FUZZY LOGIC CONTROLLER

*A project report submitted in partialFulfilment of the requirement for the award of the* **BACHELOR OF TECHNOLOGY**in

**ELECTRICAL AND ELECTRONICS ENGINEERING**

Submitted by


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This is to certify that the project work entitled "MATLAB/SIMULINK BASED INTELLIGENT POWER QUALITY CONDITIONER USING FUZZY LOGIC CONTROLLER" has been carried out by K.DURGA RAO (17U45A0224),R.GANGADHAR(17U45A0259),B.PAVANKUMAR(17U45A0203)R.GANESWARA RAO (17U45A0240), A.V.AJAY (17U45A0202) Submitted in partial fulfilment of the requirement for the Award of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-2020.

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External Examiner

# MONITORING AND FAULT DETECTION SYSTEM FOR POWER TRANSMISSION USING GSM TECHNOLOGY

A Project Report Submitted in partial fulfilment of the requirements for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**In**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

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| V.MANIKANTA | (17U45A0261) |
| G.SWATHI | (17U45A0213) |
| D.M.D.D.PRASAD | (17U45A0208) |
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**NH-5, Anakapalle-531002, Visakhapatnam, A.P**


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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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This is to certify that the Project work entitled **"MONITORING AND FAULT DETECTON SYSTEM FOR POWER TRANSMISSION USING GSM TECHNOLOGY"** is a being submitted by S.CHARAN (16U41A0210),V.MANIKANTA (17U45A0261), G.SWATHI (17U45A0213), D.M.D.D.PRASAD (17U45A0208), S.SURENDRA BABU (16U41A0209) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY in ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-20.

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**EXTERNAL EXAMINER**

# CASCADED H-BRIDGE MULTI LEVEL INVERTER

*A 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*


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# CERTIFICATE

This is to certify that the Project work entitled **"CASCADED H BRIDGE MULTI-LEVEL INVERTER "** is being submitted by V. VINAY(17U45A0260), S.LAVANYA (17U45A0246), CH. SAI KUMAR (17U45A0206), S.JANARDHAN (16U41A0204), A.AVINASH (17U45A0253) in partial fulfillment of the requirement for the award o the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-2020.

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**Mr. B.T. RAMAKRISHNA RAO**
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**EXTERNAL EXAMINER**

# DUAL AXIS SOLAR POWER TRACKING USING ARDUINO

**A Project report submitted in partial Fulfilment of the requirements for the award of Degree of**

**BACHELOR OF TECHNOLOGY**

IN

**ELECTRICAL & ELECTRONICS ENGINEERING**

Submitted by


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Under the Esteemed Guidance of

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## CERTIFICATE

This is to certify that the project work entitled **"DUAL AXIS SOLAR POWER TRACKING USING ARDUINO"** is a being submitted by M MAHESH (17U45A0229), P PRAVALLIKA (17U45A0234), P SUDHARSHAN (17U45A0236), N NAIDU (17U45A0251), K SAMPATH KUMAR (17U45A0262) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electrical &Electronics Engineering, from DADI INSTITUTE OF ENGINEERING&TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

**Mr.D.R.CH.NOOKESH**
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Anakapalle - 531 002

# SIGN TO SPEECH CONVERSION USING ARDUINO FOR DUMB PEOPLE

*A Main project report Submitted in partial fulfillment of the requirement For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

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**NH-5, ANAKAPALLE-531002,Visakhapatnam,Andhra Pradesh**


**2020**

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# CERTIFICATE

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During the academic year 2019-2020 in partial fulfillment of the requirement for the award **Bachelor Of Technology in Electrical & Electronics Engineering (2017-2020) of Jawaharlal Nehru Technological University,kakinada**

**Project Guide**
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EXTERNAL EXAMINER

# HARMONY ASSESSMENT FOR 9-BUS POWER SYSTEM UNDER NON LINEAR LOAD USING STATIC SYNCHRONOUS SERIES COMPENSATOR

**A Project Report**

**Submitted in partial fulfillment of the**

**requirements for the award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**In**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

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# CERTIFICATE

This is to certify that the Project work entitled "HARMONY ASSESSMENT FOR 9-BUS POWER SYSTEM UNDER NON LINEAR LOAD USING STATIC SYNCHRONOUS SERIES COMPENSATOR " is a being submitted by M. JOSHI (17U45A0226), K.KISHORE (17U45A0250), M. VARAPRASAD (17U45A0227), K.VENKATESH (17U45A0256), P.KISHORE (17U45A0237) in the partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-2020

Mr.K.VEDAPRAKASH,
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**PROJECT GUIDE**

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# POWER QUALITY IMPROVEMENT OF APF FOR LINEAR AND NON LINEAR LOADS

*A Thesis*
*Submitted in partial fulfilment of the requirements*
*For the award of the Degree of*

## BACHELOR OF TECHNOLOGY
## in
## ELECTRICAL AND ELECTRONICS ENGINEERING

***Submitted by***


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*Under the guidance of*
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# CERTIFICATE

This is to certify that the Project work entitled "POWER QUALITY IMPROVEMENT OF APF FOR LINEAR AND NON LINEAR LOADS " is being submitted by SHAIK SHARIF(17U45A0243), J.L.SAI KIRAN (17U45A0252), S.SURESH (17U45A0241), J.GIRI KUMAR (17U45A0214),B.VINAY (15U41A0206) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2019-2020.

T.RAMESH BABU
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EXTERNAL EXAMINER

# SMART HOME USING PIR SENSOR

*A Project Thesis submitted to partial fulfillment for the award of degree of*

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

Submitted by


| | |
|---|---|
| [illegible] | [illegible] |
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Under the Estimated Guidance of
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# CERTIFICATE

This is to certify that the project report entitled **"SMART HOME USING PIR SENSOR"** submitted by KARRI SIVA (16U41A0203) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in ***Electrical &Electronics Engineering.*** from **DADI INSTITUTE OF ENGINEERING&TECHNOLOGY** is a record of bona fide work carried out by them under my guidance and supervision.

ProjectGuide
Ms.A.V.S.LAKSHMI,M.Tech
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# IMPLEMENTATION OF ANDROID BASED MULTIFUNCTIONAL SERVICE ROBOT

***A 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*


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*Under the Esteemed Guidance of*

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This is to certify that the Project work entitled "IMPLEMENTATION OF ANDROID BASED MULTIFUNCTIONAL SERVICE ROBOT" is a being submitted by K.SAI KUMAR (17U45A0221) 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.

Mrs. A. Lakshmi Durga
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Head of the Department
Electrical & Electronics Engg
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Anakapalle - 531 002

EXTERNAL EXAMINER

# GESTURE CONTROLLED ROBOT

*A 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*


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| P.V.TARUKA SWAROOP | (17U45A0235) |
| V.JAYARAM | (17U45A0243) |
| K.ASHWIN KUMAR | (18U41A0202) |
| P.CHANDRA MOULI | (18U41A0207) |


*Under the Esteemed Guidance of*

**Miss. P.JAGRUTHI**

Asst.Professor, Department of EEE

**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

**NAAC ACCREDITED INSTITUTE**

**(I.S.O 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution)**

**NH-5, Anakapalle-531001, Visakhapatnam, A.P.**


**2021**

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
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## CERTIFICATE

This is to certify that the project work entitled "GESTURE CONTROLLED ROBOT" has been carried out by K.LAVANYA (17U45A0216), P.V.TARAKASWAROUP (17U45A0235), V.JAYARAM (17U45A0247), K.ASHWIN KUMAR (16U41A0202), and P.CHANDRA MOULI (16U41A0207) Submitted in partial fulfillment of the requirement for the Award of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2019-2020.

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EXTERNAL EXAMINER

# AN EXPERIMENTAL STUDY ON SELF-HEALING CONCRETE USING BACILLUS SUBTILIS

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

**BACHELOR OF TECHNOLOGY**

*in*

**CIVIL ENGINEERING**

*Submitted by*


M.MADHURI -17U45A0127

P. NOOKARAJU - 17U45A0138 U. SONU KUMAR - 16U41A0111

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This is to certify that the Project work entitled **"AN EXPERIMENTAL STUDY ON SELF-HEALING CONCRETE USING BACILLUS SUBTILIS"** is an authentic work submitted by M. MADHURI (17U45A0127), P. NOOKARAJU (17U45A0138), U.SONU KUMAR (16U41A0111), S.JAGADEESH (17U45A0142), J.YASWANTH (17U45A0115) in partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in Civil Engineering from Diet College of Engineering during the academic year 2019-2020.

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**(ASSISTANT PROFESSOR)**
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**Dr. CH. KANNAM NAIDU**
**(PROFESSOR)**
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# AN EXPERIMENTAL STUDY ON BEHAVIOUR OF WARM MIX ASPHALT BY USING ZYCOTHERM

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

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

Submitted by


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| G. Gayatri | 17U45A0114 |
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This is to certify that the Project work entitled "**AN EXPERIMENTAL STUDY ON BEHAVIOUR OF WARM MIX ASPHALT BY USING ZYCOTHERM**" is a bonafied work done by G. RAMYA (17U45A0111), G. GAYATHRI (17U45A0143), G.GAYATRI (17U45A0114), S. JAGADEESH (17U45A0146), T. BHANUSEKHAR (17U45A0148) in partial fulfilment of the curriculum of **BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** During the academic year 2019-2020.

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**Dr. CH. KANNAM NAIDU**
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Prof. K.V.S.G. Murali Krishna
**EXTERNAL EXAMINER**

# STRENGTHENING AND COMPARATIVE STUDY OF RC BEAMS USING GFRP WITH VARIOUS LAYERS

*A Project Report submitted in partial fulfilment of the requirements*

*for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| M. KISHORE | 17U45A0129 |
| D. RAM CHANDU | 17U45A0109 |
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## CERTIFICATE

This is to certify that the Project work entitled **"Strengthening and Comparative Study of RC Beams Using GFRP with Various Layers"** is a bonafide work done by J. S. N. D. BHAVANI (17U45A0116), M. VENKATA RAMANA (17U45A0131), M. KISHORE (17U45A0129), D. RAM CHANDU (17U45A0109), S. I. N. PHANEENDRA (16U41A0112) in partial fulfilment of the curriculum of **Bachelor of Technology In Civil Engineering** During the academic year 2019-2020.

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Prof. K.V.S.G. Murali Krishna
EXTERNAL EXAMINER

# AN EXPERIMENTAL STUDY ON COST REDUCTION OF BUILDING BY USING HOLLOW PANEL BOARDS

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

**BACHELOR OF TECHNOLOGY**

**in**

**CIVIL ENGINEERING**

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**Dr. CH.KANNAM NAIDU**
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**EXTERNAL EXAMINER**

# IMPROVING THE PROPERTIES OF AUTOCLAVED AERATED BLOCKS BY ADDITION OF GLASS FIBER

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

**BACHELOR OF TECHNOLOGY**

**in**

**CIVIL ENGINEERING**

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| B.Tharun | 17U45A0105 |
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This is to certify that the project work entitled "IMPROVING THE PROPERTIES OF AUTOCLAVED AERATED BLOCKS BY ADDITION OF GLASS FIBER is a being submitted by

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Prof. K.V.S.G. Murali Krishna
EXTERNAL EXAMINER

# AN EXPERIMENTAL STUDY ON REPLACEMENT FOR AGGREGATE WITH E-WASTE AND SLAG IN CONCRETE

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

**BACHELOR OF TECHNOLOGY**

***in***

**CIVIL ENGINEERING**

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


**2016-2020**

# DEVELOPMENT OF DESIGN CHARTS FOR THE IRREGULAR SLABS PATTERN

***A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| K. RAVI TEJA | 17U45A0120 |
| G. ASIRI NAIDU | 17U45A0112 |
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*Under the Esteemed Guidance of*

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This is to certify that the Project work entitled "DEVELOPMENT OF DESIGN CHARTS FOR THE IRREGULAR SLAB PATTERN" is a being submitted by M.CHAKRAVARTHI (17U45A0126), B.HEMANTH KUMAR (17U45A0103), K.RAVI TEJA (17U45A0120), G.ASIRI NAIDU (17U45A0112), P.SURYA NARAYANA (17U45A0139) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2016-2020.

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Prof. K. V. S. G. Murali Krishna
EXTERNAL EXAMINER

# STRENGTHENING OF CLAYEY SOILS BY USING GEOGRIDS

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

**BACHELOR OF TECHNOLOGY**

**IN**

CIVIL ENGINEERING

*Submitted by*


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This is to certify that the Project work **"AN EXPERIMENTAL STUDY ON STRENGTHENING OF CLAYEY SOILS BY USING GEOGRIDS"** is being submitted by K. SANKAR SAI (17U45A0121), S.DUGRA PRASAD (17U45A0141), S.JYOTHI (17U45A0147), K.SAMPATH KUMAR (17U45A0119), K.NARESH (16U41A0107) in partial fulfilment of the Requirement for the award of the degree of **BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING** during the academic year 2019-2020.

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EXTERNAL EXAMINER

# EXPERIMENTAL STUDY ON LIGHT TRANSMITTED CONCRETE

*A project report submitted in partial fulfilment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

CIVIL ENGINEERING

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# CERTIFICATE

This is to certify that the project report entitled, **"EXPERIMENTAL STUDY ON LIGHT TRANSMITTED CONCRETE"** is being Submitted by P. HARIKA, CH. JAGADISH LOVA SAI RAM, K. KARTHIK, P. SATEESH, P. ARUN KUMAR. In partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING** during the academic year 2019-2020.

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Prof. K.V.S.G. Murali Krishna

**EXTERNAL EXAMINER**

# STORM WATER RUNOFF MANAGEMENT BY USING PERVIOUS PAVEMENT

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

**BACHELOR OF TECHNOLOGY**

***IN***

**CIVIL ENGINEERING**

*Submitted by*


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# CERTIFICATE

This is to certify that the Project work entitled **"STORM WATER RUNOFF MANAGEMENT BY USING PERVIOUS PAVEMENT"** is being

submitted by M.ANURADHA LAKSHMI (17U45A0125), CH. AMUKTHA MALYADA (16U41A0102), P. YAMINI SWETHA(17U45A0137), T. GANESH(17U45A0149), B. SANKAR(16U41A0101) in partial fulfilment of the requirement for the award of the degree of Bachelor of Technologyin Civil Engineering during the academic year 2019-20.

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**Dr. CH. KANNAM NAIDU**
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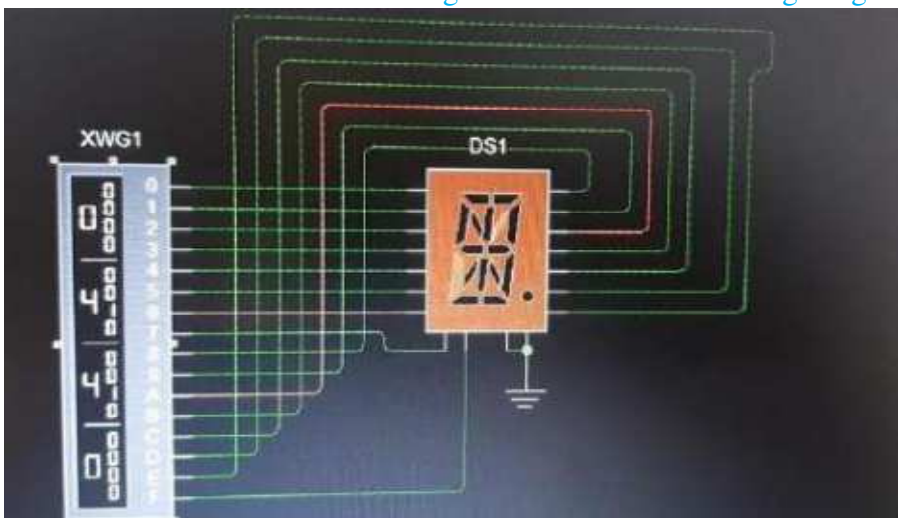
(HEAD OF THE DEPARTMENT)

Prof. k.v.s.g. Murali Krishna
**EXTERNAL EXAMINER**

## Six Day Workshop on PCB Design

The department of Electronics & Communication Engineering of DIET, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a Six day workshop on " PCB DESIGN " for II B.Tech. ECE Students during 16-09-2019 to 21-09-2019. The main aim of workshop was to develop the practical knowledge of students in advanced PCB software's and to design the multiple circuits .The workshop was aimed to provide knowledge about complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment. Mr.B.Suresh Kumar Electronics Engineer- APSSDC and Mr.Ch.Santhosh, Electronics Engineer-APSSDC who were the resourse persons for the workshop have given detailed introduction for online simulation by using Easy EDA software and how to simulate and test the circuits and also about the design of 16 segment display by using Easy EDA software.

Mr.B.Suresh Kumar Electronics Engineer- APSSDC addressing the gathering




Student Designed 16 segment display by using Easy EDA Software

All the 93 participants effectively utilized the workshop and learned about PCB related software for designing different electronic circuits. They were able to design circuits by using live wire software, PCB wizard software and Easy EDA software.

Mr.Raja Rao  HOD ECE dept addressing the students

## Student Solar Ambassador Workshop

IEEE SB in association with IIT Bombay organized this workshop on 1st &2nd October, 2019 to enlighten the students about solar energy and how it can be utilized in our day to day lives. A certified trainer for this global event, Mr. D. R. Ch. Nookesh, Asst. Prof., EEE explained steps to be followed during solar l a m p a s s e m b l y t h r o u g h a s e m i n a r presentation.

Mr.Ch. Nookesh explaining concepts to students

Later all students were given solar lamp kits which they have to assemble on their own. And next students were taken to the laboratory where they worked out and assembled their solar lamps. Once the assembling was done solar panels were kept under the sun for charging the solar lamp meanwhile Asst professor of DIET Mr. Ch. Nookesh explained to the students how the electricity is being generated from sun.

Students practicing on solar kits

After briefing session, hands on training was provided at EM Lab where soldering work was done for all lamps by each student & complete assembly was carried out.

# SIX DAY Workshop on ASSOCIATE CLOUD ARCHITECT

In pursuit of excellence in technical education Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Skill Development Corporation organized a six day Workshop for the Third Year B.Tech. CSE Students on Associate Cloud Architect from 19th August to 26th August 2019. The Workshop aimed at enhancing and strengthening the skills among the students on Cloud Technologies and providing them hands on exposure on Cloud Fundamentals. As everyone knows that Cloud Technology is playing an important role in current World, Students have a wide scope of opportunities in the Cloud Technology.

Trainers from APSSDC Sri Ch.Gopiraju, V.Anil Kumar, J .Lova Babu, V.Rupesh kumar have trained the students and made them to master in cloud computing .Chairman Sri Dadi Ratnakar and Principal Dr.Ch.S.Naga Prasad who were present for the valedictory of the workshop have expressed that one needs to update oneself with the latest trends of technology for their survival.

# A One Week Workshop On "REVIT STRUCTURE"

In its pursuit of excellence in technical education the Dept of Civil Engineering of Dadi Institute of Engineering & Technology, Visakhapatnam in association with Andhra Pradesh State Soft Skills Development organized One Week Workshop for the Third Year students of Department of Civil Engineering on Revit Architecture from 26th Aug to 31st Aug, 2019. The Workshop aims to enhance and strengthen the skills among the students in the Building Planning in the field of Civil Engineering. As the existing syllabus doesn't cater the present technologies on Civil Engineering stream, the Department organized the workshop to provide basic knowledge on Revit Architecture.

Heads of other Departments of the College, faculty members and Students participated in the Valedictory Session. APSSDC Trainers Ms. S.Kanya Kumari and S.N.V.S Prasanna Kumar explained the basics of Revit Architecture to the participants and also explained the advantages of using the software. They also demonstrated the practical applications in designing. The students could build many models by using the application during the workshop. The students were applauded for their active participation in the workshop on all the six days. Principal Dr.Ch.S Naga Prasad who was present as chief guest for the inaugural and valedictory has conveyed that adopting the new technologies will always help the technocrats to work on their assignments with much ease and at rapid pace. Mr.N.Ramu, HoD, Dept. of Civil Engineering, and Convener of the Workshop Trainers from APSSDC, All the Heads of other Departments of the College, faculty members and Students participated in the Valedictory Session.

## Two day workshop on Internet of Things

DIET Innovation & Incubation, has organized two day IOT workshop in association with ISTE and INV Technologies, Visakhapatnam on 4th and 5th of March 2020. INV technologies holds a remarkable place in IT serves AR, VR and MR - Innovations and a leading organization in the field of Industrial Embedded Systems, Security Systems, Virtual Reality, Augmented Reality, Mixed Reality and Robotics currently focusses on virtual environmental protocols. Technologies team members Chandra Sekhar . L(C.E.O), Maheshwer. L, Vijay .S, Srinu.K, Kalyan.N graced the event and delivered content with live application demonstration. All the first year budding engineers participated in the workshop and could gain knowledge on fundamentals of Internet of Things. The students were able to develop minor projects included in the curriculum of first year B.Tech. The objective of workshop was to create and develop innovative thinking in the students and motivate them towards startups.

# SIX DAY Workshop on PYTHON PROGRAMMING

In pursuit of excellence in technical education Dadi Institutemof engineering and technoloy Visakhapatnam in association with Andhra Pradesh State Skill Development Corporation organized a six day Workshop for the Second Year B.Tech. Students of Department Computer Science & Engineering on Python programming during 3rd February to 8th February, 2020. The Workshop aimed at enhancing and strengthening the skills among the students on Python. In order to give hands on based exposure on Python, these workshop About 110 student participants attended the workshop and were very much satisfied with the workshop. Principal Dr. Naga Prasad and HOD of CSE Dr. L. Prasanna Kumar graced the inaugural anf valedictory of the workshop and advised the students to update on the latest technologies. have organized for six days in Association with APSSDC. As everyone knows that python Programming plays an important role in present world, which is on full demand and there are lot of study, works and m project works going on this concept. Students have a wide scope of opportunities in the area. The Trainers From APSSDC, Mr. K.Chaitanya, Mr. K.Appa Rao Swamy, Miss. R.Sirisha, Miss. P.Lavanya were the resource persons. About 110 student participants attended the workshop and were very much satisfied with the workshop. Principal Dr. Naga Prasad and HOD of CSE Dr. L. Prasanna Kumar graced the inaugural and valedictory of the workshop and advised the students to update on the latest technologies.

## Interactive session on "Digital Banking Reforms in India"

Sri RVG Kulkarni, Senoir Vice President, HDFC BANK, delivered a talk on digital banking influence on customers, types of assets in banking sectors, types of loans provided to the customers, Rural banking facilities and also he guided the students on how to aspire for completive exams, Civil services & Foreign education in Reputed Universities. Mr. Kulkarni briefed about various exams which student could write during their studies. Also explained about the career in the banking industry and the growth cycle.

## Guest Lecture on “Recent Trends in Electronics and Communication Engineering”.

A Guest lecture was organized by the Department of ECE on 12th December by JBTU-VZM Professor Dr Ch. Srinivasa Rao. He emphasized the need to enhance and strengthen the skills in Biomedical signal processing. Further, students were briefed on Clocking and Signal Routing, system properties in terms of impulse response, step response in terms ofimpulse response, Multirate and Wavelet Signal Processing Fourier Representation of Periodic Signals, CTFS and DTFS, definition, properties (No derivation) and basic problems, Z-transform, properties of the Region of convergence during his lecture.

## Faraday Memorial Lecture (FML) – 2k19

in association with DIET IEEE Student Branch organized a Guest lecture by Dr Abraham Varghese, Scientist G, NSTL, DRDO, Past Chair, IEEE Vizag Bay Sub Section
on 21st September, 2019. More than 295 students participated in the event. Dr Abraham Varghese elucidated the students on how Interconnection Technology is the vital link between the varying electronic components in all the devices to encounter huge levels of stress for developing suitable technology solutions. Moreover, he emphasized the use of components which may not carry full MIL specification and its associated price tag, including COTS, CECC parts or AEC-Q200 parts with additional testing.

## World Class Construction Practices of Indian Railways

Mr. Rajakumar Pinninti, QA/QC Civil Engineer of Ghana Railway line Project from AFCONS PVT LTD. has delivered a guest lecture on “world class construction practices of Indian railways” and career guidelines for students of IV & III year. He shared his experience while doing job at site works. He explained clearly about, the difference between theory, practical and reality in civil construction site. He explained the scope and importance of Infrastructure and conveyed the scope of Soil and Railway projects in entire world.

## An Interactive Session by Canadian Professor on Machine Learning and Target Tracking Information Fusion

An interactive session on Machine learning and target tracking fusion was organized by the management of Dadi Institute of Engineering and Technology for it's faculty. Chairman Dadi Ratnakar conveyed that DIET has initiated a series of interactive sessions both for students and faculty to help them to be in touch with the latest advancements in various areas of technology. He expressed that Prof. Kiruburajan has given insights on various topics where the international research is on and asked the faculty to work on those areas. The speaker Prof. T. Kirubarajan from McMaster University, Canada interacted with the faculty of Electronics and Computer science and has given insights on various subjects like Multisensor-multitarget tracking, estimation theory, information fusion, sensor resource management, radar/sonar/image/ signal processing, fault diagnosis/detection. He opined that the future of research would be in the above citied areas and advised the faculty to carry on quality research and help in developing new theories. Dr.P.Srihari ,Asst Prof NIT Suratkal who was present as guest had provided the faculty members the information on how to apply for quality research projects in the government sector.

## Technical competition: DIET DAKSHAK -2020

Dadi Institute of Engineering and Technology in association with all the professional bodies in DIET (IEEE, CSI, IETE, IE(I), ISTE etc.,) hosted a two day National level Technical fest on 3rd-4th January 2020 with over 400 registered and 200 non registered participants from around 8 Engineering and Diploma Colleges across Vizag. Chief Guest for Inaugural function on 3rd Jan 2020 was Sri K K Ghosh, Director (Projects) - RINL, Steel Plant and Vice Chair for CSI Vizag chapter who emphasized on the need for bridging the gap between academics and industry needs and Guest of honour, Sri Ashok Nath Biswal, DGM (IT & ERP) gave an insight on how to transform our raw engineering brains in to employable material with self sustainable technical excellence.

Later, the guests interacted with students of each stall upon inaugurating them and spent considerable time with students who presented exciting Models and posters with enthusiasm. Paper presentation competitions for all branches took place in 5 sessions in these two days along with IEEE spectrum talks, technical quiz, Tech Treasure hunt, circuit challenge, building plans with AutoCAD, supreme surveyor, component identification and many more fun events.

This Vibrant Tech Fest was concluded by prize distribution to all the winners of above mentioned events by Chief Guest of the th Valedictory function on 4 January, 2020. Captain S.Chandran, Principal Inspector of Naval Armament, NSTL, DRDO, Vizag who also gave an inspiring message to students to be choosy in every point of their lives in whatever path they take to build a career, that should not only benefit them but also contribute to the nation.

## IEEE Xtreme 13.0

DIET IEEE Xtreme 13.0 Student Branch has participated in a twenty four hour Global Programming competition held worldwide on 19th and 20th October, 2019 with thirty seven teams (i.e) one hundred and three participants accompanied by five Proctors was recorded as the highest number of teams in the entire Student Branches of Vizag Bay Sub Section and Hyderabad Section. At this juncture, IEEE Headquarters, USA provided a common question paper for this marathon coding competition. Besides, for every hour, a challenging new question was released which was programmed by around 4000 registered teams (two or three members) across the globe.

## Mobile App Development Contest MADC

DIET IEEE Student Branch conducted an Awareness session to registered IEEE Members by D.Venkatesh. The Ambassador of MDC ( Mobile Application Development Contest), a global IEEE Event which is conducted worldwide to initiate innovative ideas from students to design and develop new mobile applications either individually or with a team of three members in categories like books business education, Entertainment, Finance, Food and drink, Games, Health and fitness, Lifestyle, Magazines and newspapers, Medical, Music, Navigation, News, Photos and videos, Productivity, Reference, Shopping, Social Networking, Sports, Stickers, Travel, Utilities, Weather, Game category, Action, Adventure, Arcade Board, Card ,Casino, Family, Music, Puzzle, Racing, Role playing, Simulation, Sports, Strategy, Trivia, Word etc., Participants will be given a time span to submit these ideas and those shortlisted will be allowed to develop the app in the next stage of contest for exciting IEEE prizes.

App development session

# Awareness programme on HIV/Aids

A massive rally by NSS volunteers was taken up on 1st December, 2019.They created awareness among people about AIDS and HIV positive by raising slogans, carrying placards and banners from the college campus to Y Junction. Chairman Sri Dadi Ratnakar congratulated the volunteers for taking up rally to educate the public about the danger of HIV positive and he said that one needs to prevent the diseases by adhering to precautionary measures.

Students creating awareness on HIV virus

# Human Rights awareness programme

NSS UNIT organized Human rights awareness session on 10 December, 2019 by inviting senior advocate of Anakapalli court Sri P.Srinivas Patnaik. He has clearly explained to the students present about the rights every human is entitled and about the laws that protect them. He said that no one has the right to ill treat the fellow humans.

Senior advocate of Anakapalli court Sri P.Srinivas Patnaik interacting with students

## Essay Writing on Mahatama Gandhi

NSS unit conducted essay writing competition for both diploma and B.Tech. students on the topic Gandhi and his experiments with truth. About 300 students participated and have given vivid picture of relevance of truth in ones life by quoting the success story of Mahatama Gandhi.

Students participating in essay writing compitition

# Awareness programme on Indian constitution on 70th Constitution Day

On 26th November, 2020 NSS unit observed the 70th National Constitution Day, Sri J. V .V. Satyanaryana Murthy 2nd Additional Junior Judge cum 12th Metropolitan Magistrate, Anakapalli graced the event as Chief Guest .He has enlightened the students about the constitution and the provisions it has provided for the citizens for leading a peaceful and secured life.

J.V.V.Satyanaryana Murthy 2nd Additional Junior Judge addressing students

## Rain Water harvesting Campaign and awareness programme

Rain water harvesting campaign was organized by NSS unit on 28th June,2019.Principal Dr. Ch. S. Naga Prasad addressed the students about the importance of rain water harvesting. Fresh water sources are becoming scarce with the passage of time. Reports of several global agencies, including United Nations, indicate that if the current situation of water does not change and preventive measures are not taken, then world will start to run out of fresh water by 2050.

## Experiential learning:

Students learning concepts through machinery

Students learning through survey

programming sessions in computer lab

Students Improving their listening skills in English lab

Experiential learning

Participative learning

Student seminars conducted to improve their communication and technical skills

Student role play and peer discussion

Students role play peer discussion

Student role play: technical interviews by fellow students

Student group discussions

Student group discussions

Student technical interview

PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE - 531 002

# 2018 – 19

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## Best Practices – Teaching & Learning

Dadi Institute of Engineering and Technology with the effective functioning of all the faculty members have always tried to impart innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.

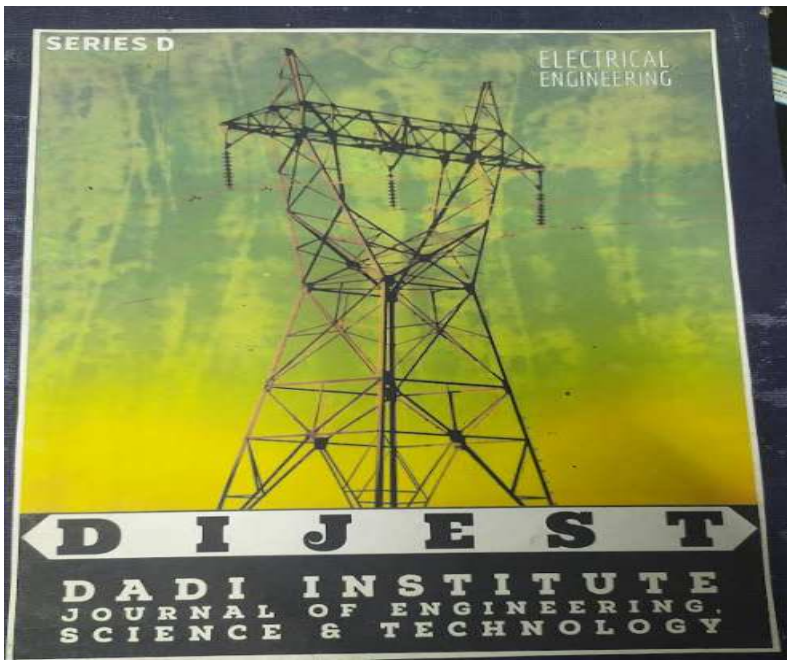
Here, students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year apart from the commonly implemented methods like Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, Newspaper readings, repeating difficult topics by topper students, field visits, Industrial visits, pictorial demonstration and many more activities.

It was a clear observation that more the number of sessions conducted with the above-mentioned concepts, better were the results obtained every semester.

Some of the glimpses of these strategies employed by the institute are shared in this document:

## Participatory & Experiential learning in Teaching and Evaluation methods

In this academic year, As an initiative the teaching towards research and innovation.The Book, DIJEST (Dadi Institute Journal of Engineering Science & Technology) Series D Published. With this motivation the faculty involves in Faculty development programs to enrich the lesson plans with Usage of ICT tools available.

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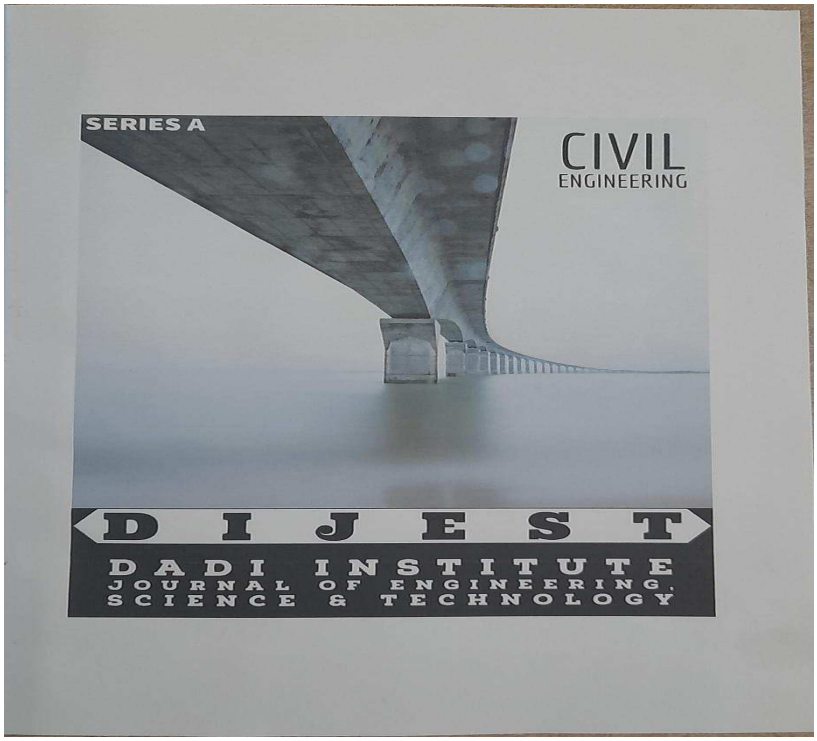

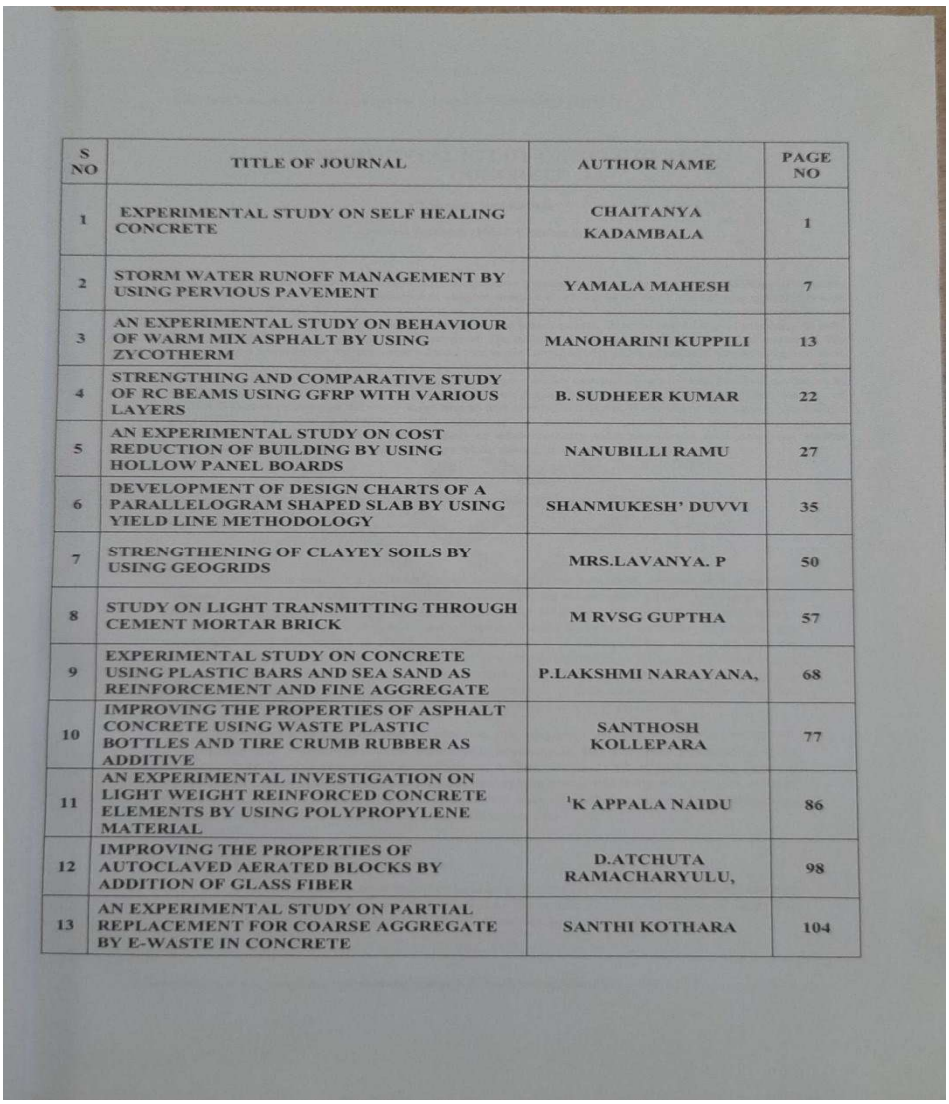

| S NO | TITLE OF JOURNAL | AUTHOR NAME | PAGE NO |
|---|---|---|---|
| 1 | EXPERIMENTAL STUDY ON SELF HEALING CONCRETE | CHAITANYA KADAMBALA | 1 |
| 2 | STORM WATER RUNOFF MANAGEMENT BY USING PERVIOUS PAVEMENT | YAMALA MAHESH | 7 |
| 3 | AN EXPERIMENTAL STUDY ON BEHAVIOUR OF WARM MIX ASPHALT BY USING ZYCOTHERM | MANOHARINI KUPPILI | 13 |
| 4 | STRENGTHING AND COMPARATIVE STUDY OF RC BEAMS USING GFRP WITH VARIOUS LAYERS | B. SUDHEER KUMAR | 22 |
| 5 | AN EXPERIMENTAL STUDY ON COST REDUCTION OF BUILDING BY USING HOLLOW PANEL BOARDS | NANUBILLI RAMU | 27 |
| 6 | DEVELOPMENT OF DESIGN CHARTS OF A PARALLELOGRAM SHAPED SLAB BY USING YIELD LINE METHODOLOGY | SHANMUKESH' DUVVI | 35 |
| 7 | STRENGTHENING OF CLAYEY SOILS BY USING GEOGRIDS | MRS.LAVANYA. P | 50 |
| 8 | STUDY ON LIGHT TRANSMITTING THROUGH CEMENT MORTAR BRICK | M RVSG GUPTHA | 57 |
| 9 | EXPERIMENTAL STUDY ON CONCRETE USING PLASTIC BARS AND SEA SAND AS REINFORCEMENT AND FINE AGGREGATE | P.LAKSHMI NARAYANA, | 68 |
| 10 | IMPROVING THE PROPERTIES OF ASPHALT CONCRETE USING WASTE PLASTIC BOTTLES AND TIRE CRUMB RUBBER AS ADDITIVE | SANTHOSH KOLLEPARA | 77 |
| 11 | AN EXPERIMENTAL INVESTIGATION ON LIGHT WEIGHT REINFORCED CONCRETE ELEMENTS BY USING POLYPROPYLENE MATERIAL | [1]K APPALA NAIDU | 86 |
| 12 | IMPROVING THE PROPERTIES OF AUTOCLAVED AERATED BLOCKS BY ADDITION OF GLASS FIBER | D.ATCHUTA RAMACHARYULU, | 98 |
| 13 | AN EXPERIMENTAL STUDY ON PARTIAL REPLACEMENT FOR COARSE AGGREGATE BY E-WASTE IN CONCRETE | SANTHI KOTHARA | 104 |

In this academic year various events were organized to update our students regarding recent technologies.

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## GUEST LECTURE ON INDUSTRIAL AUTOMATION –APPLICATIONS IN ELECTRONICS

In its pursuit of excellence in Technical Education Department of Electronics and Communication of Dadi Institute of Engineering & Technology, Visakhapatnam conducted Guest Lecture on Industrial Automation –Applications in Electronics on 12th Dec-2018 on occasion of Sir "ROBERT NORTON NOYCE'S" Birthday. The Guest Lecture aims to enhance and strengthen the skills among the students in the Automation in the Industry. To impart knowledge in emerging technologies and get them trained towards Industrial in a planned manner.

Sri V.V.Murali Krishna, Automation Design Engineer (AGM) Steel Plant, VSP, Interacting with students.

Distribution of prizes by Chief Guest Sri V.V.Murali Krishna, Dr .Ch. S. Naga Prasad , Principal, Dr .k. Eswar Rao Vice-Principal, K Jogi Naidu ,HOD, ECE.

In this_academic year, the department of MBA continuing the B- Club activities apart from regular teaching evaluation process. Students are regularly evaluated on different parameters to check their progress throughout a semester. Class participation, seminars, announced tests, assignments, projects, etc. form part of this evaluation process. Students in this institute interacts with eminent guests from the industry on a regular basis. At the university level, these guests having huge experience and unparalleled expertise come from varied industries and different countries. The Department of Management arranges for regular visit by high-ranking industry personnel to the campus. This ensures that the students have get to know about the latest happenings in the industry, thereby making them ready for their future endeavors.

**B- Club**

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**A SIX WEEKS WORKSHOPON"TALLY –ERP 9"(15th Nov, 2018 to 14th Jan, 2019)Organized byDEPARTMENT OF MANAGEMENT STUDIESIn association withM/s GRAFX IT SOLUTIONS PVT LTD-Tally Institute of Learning (TIL)**

**Resource Persons:** Mr.Sunil Kumar – Trainer
**Convenor:** Dr.P.B.Ram Kumar, HOD MBA, DIET, Anakapalle.
**Faculty Coordinators:** Mr. A. Kiran Kumar, Assistant Professor, MBA Department.

**Venue:** Seminar Hall -2, Lab -8 of DIET

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The Department of MBA had organized the TALLY –ERP 9 a Two week online Training Program for II Year II Semester students at its campus in association with Graphix IT solutions Pvt Ltd, from 15th November 2018 - 14th January 2019 in the MBA Department seminar Hall from afternoon 1:00 PM – 4:00 PM on daily basis respectively . The Head of the Department, Convenor of the workshop Dr. Ram Kumar P.B co- convenor Mr. A. Kiran Kumar, Staff and students of MBA have been very much grateful to the Management of Diet, Training & Placement Officer Mr. Sunil kumar for providing an opportunity to conduct a useful and informative online training program on "TALLY **ERP-9**" which makes the students to be aware about latest technology in the area of accounting software package with Marketing.

The Main aim of organizing this workshop is to provide knowledge on the accounting software package **Tally ERP-9** and its relevant core competencies also how to make the use of this application to create and automate their daily transactions and to generate the reports by using the Tally and its supporting platforms .

About Tally in Brief:

Tally **helps in maintaining financial record of the company that includes net deductions, taxes, bonuses, and net payment**. **Management in banking sector** – Banks use Tally to calculate interests on deposits and also manage various user accounts. Tally support ensures ease in calculation and makes banking simpler.

Tally is **an ERP accounting software package that is used to record day to day business data of a company**. The latest version of Tally is Tally ERP 9. Tally ERP 9 Software is one of the most financial accounting systems used in India. For small and medium enterprises, it is complete enterprise software.

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## 2.3.1: EXPERIENTIAL AND PARTICIPATORY LEARNING

## Project list

| BATCH NO. | ROLL NO. | NAME | TITLE OF THE PROJECT | NAME OF THE PROJECT GUIDE |
|---|---|---|---|---|
| 1. | 16U45A0404 | CHAVALLA JHANSI | PERFORMANCE ANALYSIS OF SRAM ARRAY ARCHICTURES | Mr.B.N.SRINIVASA RAO |
| | 16U45A0405 | DODDI HEMALATHA | | |
| | 16U45A0417 | MALLA HARISH | | |
| | 16U45A0406 | DODDI NVS NOOKA RAJU | | |
| | 16U45A0402 | ALLU SWATHI | | |
| 2. | 16U45A0407 | GANDEPALLI VANI | MULTIFACET ROBOT | Mrs.D.L.MYTHRI |
| | 16U45A0414 | KONATHALA SOWMYA | | |
| | 16U45A0409 | JERRIPOTHULA SUNITHA | | |
| | 16U45A0410 | KAKKALAVA SIVA | | |
| | 16U45A0421 | PEELA HARI KSND SANTOSH | | |
| 3. | 16U45A0408 | JERRIPOTHULA NARSINGARAO | GPS BASED VECHICLE TRACKING SYSTEM | Ms.B.NEELIMA DEVI |
| | 16U45A0418 | N.T.V.S.NARAYANA | | |
| | 16U45A0434 | D.ARUNA | | |
| | 16U45A0403 | B.RAMU | | |
| | 16U45A0430 | BOTLA DEEPIKA | | |

| | | | | |
|---|---|---|---|---|
| 4. | 16U45A0413 | KOLIDCHINA BHARGAVI | GPS BASED VECHICLE TRACKING SYSTEM | Mr.K S N V SOMESWARA RAO |
| | 16U45A0422 | PENTAKOTA VISWA TEJA | | |
| | 16U45A0418 | NAKKA TVS NARAYANA | | |
| | 16U45A0425 | MOLLI ANUSHA | | |
| | 16U45A0426 | S VASU DILIP | | |
| 5. | 16U45A0419 | PALLELA PARAMESWARA RAO | DESIGN OF A COMPACT METAMATERIAL MULTIBAND ANTENNA FOR WLAN/WI-MAX/ITU APPLICATIONS | Mrs.P.POORNA PRIYA |
| | 16U45A0424 | RAGETI JHANSI RANI | | |
| | 16U45A0435 | BESETTI JYOTHSNA | | |
| | 16U45A0429 | YAJJALA ANUSHA | | |
| | 16U45A0432 | KANDREGULA RAJASEKHAR | | |
| 6. | 16U45A0420 | PANGA SRAVANI | HARTLEY BASED OFDM FOR OPTICCAL FIBER COMMUNICATION | Mr.S.SURESH KUMAR |
| | 16U45A0415 | KORASALA RAAGADEEPIKA | | |
| | 16U45A0436 | MALLA KARUNA LAVANYA | | |
| | 16U45A0431 | KARAMPUDI SHANMUKH SAI | | |
| | 16U45A0411 | K. LOKESH | | |
| 7. | 16U45A0423 | POLIMERA JAYASREE | MULTIFACET ROBO DISPLAY BOARD USING GSM TECHNOLOGY | Mr.K.JOGI NAIDU |
| | 16U45A0428 | VACHALAPU VASUDEV | | |
| | 16U45A0416 | LANKA SAI KUMAR | | |
| | 16U45A0433 | DURGA NAGAMANI | | |
| | 16U45A0401 | AATHAVA DURGA PRASAD | | |
| | 16U45A0438 | KARRI SHYAM GANESH | | |
| BAT CH NO. | ROLL NO. | NAME | TITLE OF THE PROJECT | NAME OF THE PROJECT GUIDE |
| 1. | 15U41A0433 | P. SUSHMITA | DESIGN OF A NEW DOUBLE TAIL COMPARATOR WITH LOW POWER AND AREA AFFICIENT | MS.SK.SHABEENA |
| | 15U41A0426 | M. PRAVALLIKA | | |

| | | | | |
|---|---|---|---|---|
| | 15U41A0407 | D. ROHINI | | |
| | 15U41A0422 | K. PREM KUMAR | | |
| | 15U41A0413 | K.KRISHNAVENI | | |
| 2. | 15U41A0412 | K. KIRANMAYI | | |
| | 15U41A0429 | M.BHARATHI | | Mrs.B.T.ARCHANA |
| | 15U41A0420 | K. PRUDHVI RAJ | | |
| | 15U41A0425 | M. JYOTHI | | |
| | 15U41A0428 | M.MOSES LIVINGSTON | FIRE FIGHTING ROBOT | |
| 3. | 15U41A0415 | K. SOWMYA | | |
| | 15U41A0423 | M. LATHA SRI | | |
| | 15U41A0424 | M. GOWTHAMI | | |
| | 15U41A0439 | R. YASODHA VANAJA | | |
| | 15U41A0444 | V. SHIVA KUMAR | IMPLEMENTATION OF AREA EFFICIENT SRAM CELL | Mr.B.N.SRINIVASA RAO |
| 4. | 15U41A0419 | K. BHARGAVI | | |
| | 15U41A0449 | Y. HEPSIBA | | |
| | 15U41A0451 | G. SRIRAMYA | | |
| | 15U41A0438 | P. TARUN KUMAR | | |
| | 15U41A0442 | S. VARAHALU | MEASUREMENT OF RELATIVE HUMIDITY AND TEMPARATURE DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO BOARD | Mr.MOHHAMAD SHAFFI |
| 5. | 15U41A0406 | CH.V.S. SOWMYA | | |
| | 15U41A0416 | K. RENUKA | | |
| | 15U41A0404 | B. LAXMI DEVI | | |
| | 15U41A0408 | D. SUGUNA | | |
| | 15U41A0402 | A KALYAN SAI NARAYANA | MEASUREMENT OF RELATIVE HUMIDITY AND TEMPARATURE DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO BOARD | Mr.D.RAVI NAYAK |
| 6. | 15U41A0430 | M. SAI CHARAN | | |
| | 15U41A0431 | M. SHYAMALA NOOKESHWARI | | |
| | 15U41A0440 | S. PRIYANKA | | |
| | 15U41A0447 | V. GOVINDA RAJU | | |
| | 15U41A0452 | BUPINDER KAUR | FIRE FIGHTING ROBOT | Ms.K.SUMA |
| 7. | 15U41A0410 | G. JAGADEESH | MULTIFACET ROBOT | MRs.D.L.MYTHRI |

| | | | | |
|---|---|---|---|---|
| | 15U41A0417 | K.V. LAKSHMI DEVI | | |
| | 15U41A0405 | CH. MALATHI | | |
| | 15U41A0414 | K. REVATHI | | |
| | 15U41A0403 | A.L. NARAYANA | | |
| 8. | 15U41A0418 | K.V. SAI RAVI TEJA | MEASUREMENT OF RELATIVE HUMIDITY AND TEMPARATURE DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO BOARD | Mr.MOHHAMAD SHAFFI |
| | 15U41A0443 | SREERAM MARTEENA KEZIA | | |
| | 15U41A0435 | P.SNEHA | | |
| | 15U41A0441 | S.SAI DEEPU | | |
| | 15U41A0445 | V. JAYA CHANDRIKA | | |
| 9. | 15U41A0432 | P. SANTOSH KUMAR | DESIGN OF NEW CMOS FULL ADDER WITH LOW POWER AND AREA EFFICIENT | Mr.K.Jogi Naidu |
| | 15U41A0411 | G. VAISHNAVI | | |
| | 15U41A0448 | Y. SRILATHA | | |
| | 15U41A0427 | M. KASI VISWANADHAN | | |
| | 15U41A0450 | S.S.V. CHIRANJEEVI | | |
| | | | | |

| S.No | Regd. No. | Student Name | Project Title | Guide Name |
|---|---|---|---|---|
| 1 | 16U45A0250 | L SIMHACHALAM NAIDU | STAND ALONE PV SYSTEM WITH MPPT & BATTERY STORAGE | Mr. M Rajarao Asst Professor |
| | 16U45A0229 | POLAMARASETTY VIJAY SAIKUMAR | | |
| | 16U45A0251 | LAKKOJU YASWANTH | | |
| | 16U45A0270 | SRIKAKULAPU GANGADHAR | | |
| | 16U45A0246 | KAMIREDDY KASIAPPALARAJU | | |
| 2 | 16U45A0265 | MOSA SAGAR | AIR BICYCLE | Ms.D.V.S Poojitha Asst Professor |
| | 16U45A0267 | YELAMANCHILI NAVEEN | | |
| | 16U45A0247 | KANITI GOVINDA RAO | | |
| | 16U45A0235 | MULAKALAPALLI NOOKESWARA RAO | | |

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|---|---|---|---|---|
| | 16U45A0244 | BOMMALI BHAVANI PRASAD | | |
| 3 | 16U45A0245 | CHOPPA SATYA TEJA | ROBOT ACTION | Mr. Ch Ravi Kumar<br>Asst Professor |
| | 16U45A0263 | DABBURU HARSHAVARDHAN KUMAR | | |
| | 16U45A0240 | SHAIK FARIDHA | | |
| | 16U45A0227 | NALLI RAJ KUMAR | | |
| | 16U45A0273 | KORUKONDA VENKATESH | | |
| 4 | 16U45A0249 | LAGUDU NARESH | MICRO CONTROLLER BASED SINGLE AXIS SOLAR TRACKING CONTROL OF PHOTOVOLTAIC PANELS USING STEPPER MOTOR | Ms.P Jagruthi<br>Asst Professor |
| | 16U45A0233 | TRASULA SOWJANYA RANI | | |
| | 16U45A0269 | OBBALAREDDI APPALA NAIDU | | |
| | 16U45A0254 | PILLA RAMESH | | |
| | 16U45A0243 | BANGARU NANI BABU | | |
| 5 | 16U45A0226 | MUMMANA HEMALATHA | SMART TRAFFIC LIGHT CONTROL SYSTEM | Mrs.A Lakshmi Durga<br>Asst Professor |
| | 16U45A0228 | PENUMATSA MAHINDRA VARMA | | |
| | 16U45A0230 | PORAPU CHAITANYA | | |
| | 16U45A0260 | T SANTOSH KUMAR | | |
| | | | | |
| 6 | 16U45A0264 | GUTHURTHI RAJASEKHAR | DESIGN AND PERFORMANCE EVALUATION OF AN ELECTRIC VEHICLE BY USING BRUSHLESS DC MOTOR | Mr.D.R.Ch. Nookesh<br>Asst Professor |
| | 16U45A0232 | SOMIREDDI KALYAN | | |
| | 16U45A0266 | MATTA RAJASEKHAR | | |
| | 16U45A0238 | SHEIK VALLI BABU | | |
| | 16U45A0272 | MUVVALA BHASKARA RAO | | |
| 7 | 16U45A0231 | SAMMINGI DEVI | STAND ALONE PV SYSTEM WITH MPPT & BATTERY STORAGE | Mr. G Jagadeesh<br>Asst Professor |
| | 16U45A0234 | VOONNA VINETHRI | | |

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| | 16U45A0253 | N. N. V. SATYA VARA PRASAD | | |
| | 16U45A0239 | KUNDRAPU DAYESHWAR RAO | | |
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| 8 | 16U45A0257 | SALAPU SAI KUMAR | STAND ALONE PV SYSTEM WITH MPPT & BATTERY STORAGE | Mr. K Vijay Kumar Assoc. Professor& HOD |
| | 16U45A0258 | SATHIVADA VENKATA SATISH | | |
| | 16U45A0259 | SILAPARASETTI SAI KUMAR | | |
| | 16U45A0252 | MUTYALA SARATH KUMAR | | |
| | 16U45A0256 | RACHABATTUNI JEEVAN VENKATA SAI | | |
| 9 | 16U45A0236 | MARISETTI ASHOK | UNDERGROUND FAULT DETECTION USING ROBOTIC | Ms. B Sowjanya Kalyani Asst Professor |
| | 16U45A0242 | ALLA PRAVALLIKA | | |
| | 16U45A0248 | KOLICHINA NEELIMA | | |
| | 16U45A0268 | REDDY MOHAN | | |
| | 16U45A0241 | AKULA NAVEEN | | |
| 10 | 16U45A0237 | KALAGA NAGA GANESH | DESIGN AND PERFORMANCE EVALUATION OF AN ELECTRIC VEHICLE BY USING BRUSHLESS DC MOTOR | Mr.A.Krishna Nag Asst Professor |
| | 16U45A0271 | AGGALA HARIKRISHNA | | |
| | 16U45A0255 | POLISETTI RAMCHARAN | | |
| | 16U45A0261 | TANAKALA HIRANYA SAI KUMAR | | |
| | 16U45A0262 | YANNAMSETTI GOVIND | | |

| S.No | Regd. No. | Student Name | Project Title | Guide Name |
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| 1 | 16U45A0212 | KUNDRAPU PRADEEP | STAND ALONE PV | Mr. K Vijay Kumar Assoc. Professor& |

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| | 16U45A0207 | JOGADA SATYA PRAKASH | SYSTEM WITH MPPT & BATTERY STORAGE | HOD |
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| | 15U41A0217 | KUNDAN KUMAR SINGH | | |
| | 16U45A0210 | KATTA DINESH KUMAR | | |
| 2 | 16U45A0202 | BARNIKALA ASHOK | HOVERBOARD | Mr. M Rajarao<br>Asst Professor |
| | 15U41A0207 | D SAI KUMAR | | |
| | 15U41A0223 | REDDI SANYASI NAIDU | | |
| | 16U45A0217 | DHARMALA SANTHOSH KUMAR REDDY | | |
| | 15U41A0218 | MARAPUREDDI PRASAD | | |
| 3 | 16U45A0203 | CHITRADA DEVIPRASANNA | STAND ALONE PV SYSTEM WITH MPPT & BATTERY STORAGE | Mr.M.Rajendra Prasad<br>Asst Professor |
| | 16U45A0221 | JOKADA SHANKAR RAO | | |
| | 16U45A0209 | AVVARI EASH SAI KUMAR | | |
| | 16U45A0208 | ALLABOINA GIRISH | | |
| | 15U41A0224 | RYALI SAI KUMAR | | |
| 4 | 16U45A0206 | DEVARA RENUKA | HOME AUTOMATION SYSTEM | Ms. AVS Lakshmi<br>Asst Professor |
| | 16U45A0225 | MOTHURTHI SAIBHANU | | |
| | 15U41A0216 | KONATHALA VAMSI GANESH | | |
| | 15U41A0220 | NALLA MADHURI | | |
| | 16U45A0218 | SAMMINGA MANI SANKAR | | |
| 5 | 16U45A0224 | MOSURI RAVI KISHORE | VANDEGRAAFF GENERATOR | Mr. J Deleep Kumar<br>Asst Professor |
| | 16U45A0222 | MALLA MANIKANTA | | |
| | 15U41A0202 | ADARI LOKESH | | |
| | 16U45A0214 | DADI KISHORE | | |
| | 15U41A0204 | AMALAKANTI VENKATA SAI RAM | | |

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| 6 | 15U41A0209 | DASARI JEEVAN MADHU SAI REDDY | AUTOMATED ELECTRONIC TOLL COLLECTION USING RFID | Mrs.A Lakshmi Durga<br>Asst Professor |
| | 15U41A0222 | PULI VIJAYA KUMAR REDDY | | |
| | 15U41A0213 | GURRALA SRINU | | |
| | 15U41A0210 | EERIGILA LIKHITA | | |
| | 15U41A0203 | ALLA MURALI SATEESH | | |
| 7 | 16U45A0201 | ADARI JYOTHSNA | SPEED CONTROL OF BRUSH LESS DC MOTOR USING PWM TECHNIQUE | Mr. G Jagadeesh<br>Asst Professor |
| | 16U45A0211 | KUDAVALLI HARSHITA | | |
| | 16U45A0223 | MALLA TEJASREE | | |
| | 15U41A0201 | ADARI DURGAMAHESH | | |
| | 15U41A0225 | ULLI VINAY | | |
| 8 | 16U45A0215 | NANDAVARAPU GANESH | AUTOMATIC VEHICLE DETECTING STREET LIGHTS | Mr. J Deleep Kumar<br>Asst Professor |
| | 16U45A0216 | P DEVENDRA | | |
| | 15U41A0210 | EERIGILA LIKHITA | | |
| | 15U41A0205 | AMUJURI NANI | | |
| | 15U41A0211 | GORIVILLI DIVYA | | |
| 9 | 16U45A0204 | DADI LAVANYA | STAND ALONE PV SYSTEM WITH MPPT & BATTERY STORAGE | Mr.M.Rajendra Prasad<br>Asst Professor |
| | 16U45A0205 | DESAMSETTI KASUBABU | | |
| | 16U45A0213 | M ASHOK BABU | | |
| | 15U41A0219 | MHATRE PANKAJ KRUSHNA | | |
| | 15U41A0226 | VADDIPARTHI SAI KIRAN | | |

| Sl. No. | Team Leader | Member-1 | Member-2 | Member-3 | Member-4 | Project Guide | title |
|---|---|---|---|---|---|---|---|
| 1 | 15U41A0567 | 15U41A0569 | 15U41A0518 | 15U41A0515 | ---------- | Mrs K Srilakshmi | GPS Based Bus Tracking System |
| 2 | 15U41A0519 | 15U41A0548 | 15U41A0505 | 15U41A0521 | 15U41A0540 | Dr L Prasanna Kumar | Sentiment Analysis of Social Media using Machine Learning |
| 3 | 15U41A0530 | 15U41A0527 | 15U41A0565 | 15U41A0553 | 15U41A0551 | Mrs Dr K Sujatha | Smart Monitoring the Air Blow Using IOT |
| 4 | 15U41A0541 | 15U41A0543 | 15U41A0542 | 15U41A0546 | 15U41A0524 | Mr A Narsimham | Library Attendence System |
| 5 | 15U41A0557 | 15U41A0550 | 15U41A0523 | 15U41A0512 | 15U41A0502 | Mr A Srinivas | Threat Detection in StructuredCyber Security Data Streams through Deep Learning |
| 6 | 15U41A0531 | 15U41A0561 | 15U41A0552 | 15U41A0533 | 15U41A0534 | Mr A VasudevaRao | Student Monitoring system usingFace Recognition Techniques |
| 7 | 15U41A0537 | 15U41A0513 | 15U41A0508 | 15U41A0570 | 15U41A0566 | Mr K Nukaraju | The Virtual Assistant |
| 8 | 15U41A0504 | 15U41A0535 | 15U41A0506 | 15U41A0511 | | Mrs G Mutyalamma | Automated Help Assistance System |
| 9 | 15U41A0538 | 15U41A0509 | 15U41A0539 | 15U41A0544 | 15U41A0563 | Mr S V S V P RamaRaju | Child Tracking System using Device OverLocation or NetworkBased with ADHOC Mobile Netwoking |
| 10 | 15U41A0564 | 15U41A0562 | 15U41A0516 | 15U41A0549 | 15U41A0559 | Mr CH Dinesh | FingerPrint Based ATM |
| 11 | 15U41A0532 | 15U41A0522 | 15U41A0536 | 15U41A0514 | 15U41A0517 | Mrs B Renuka | Retrival of Human Informationwith Machine Learning Techniques |
| 12 | 15U41A0503 | 15U41A0507 | 15U41A0520 | 15U41A0526 | 15U41A0545 | Mr Y Dinesh | IOT Based Drunk Driving |

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| Sl. No. | Team Leader | Member-1 | Member-2 | Member-3 | Member-4 | Project Guide | Title |
| 1 | 15U41A0567 | 15U41A0569 | 15U41A0518 | 15U41A0515 | | Mrs K Srilakshmi | GPS Based Bus Tracking System |
| 2 | 15U41A0519 | 15U41A0548 | 15U41A0505 | 15U41A0521 | 15U41A0540 | Dr L Prasanna Kumar | Sentiment Analysis of Social Media using Machine Learning |
| 3 | 15U41A0530 | 15U41A0527 | 15U41A0565 | 15U41A0553 | 15U41A0551 | Mrs Dr K Sujatha | Smart Monitoring the Air Blow Using IOT |
| 4 | 15U41A0541 | 15U41A0543 | 15U41A0542 | 15U41A0546 | 15U41A0524 | Mr A Narsimham | Library Attendence System |
| 5 | 15U41A0557 | 15U41A0550 | 15U41A0523 | 15U41A0512 | 15U41A0502 | Mr A Srinivas | Threat Detection in Structured Cyber Security Data Streams through Deep Learning |
| 6 | 15U41A0531 | 15U41A0561 | 15U41A0552 | 15U41A0533 | 15U41A0534 | Mr A VasudevaRao | Student Monitoring system using Face Recognition Techniques |
| 7 | 15U41A0537 | 15U41A0513 | 15U41A0508 | 15U41A0570 | 15U41A0566 | Mr K Nukaraju | The Virtual Assistant |
| 8 | 15U41A0504 | 15U41A0535 | 15U41A0506 | 15U41A0511 | | Mrs G Mutyalamma | Automated Help Assistance System |
| 9 | 15U41A0538 | 15U41A0509 | 15U41A0539 | 15U41A0544 | 15U41A0563 | Mr S V S V P RamaRaju | Child Tracking System using Device OverLocation or Network Based with ADHOC Mobile Netwoking |
| 10 | 15U41A0564 | 15U41A0562 | 15U41A0516 | 15U41A0549 | 15U41A0559 | Mr CH Dinesh | FingerPrint Based ATM |
| 11 | 15U41A0532 | 15U41A0522 | 15U41A0536 | 15U41A0514 | 15U41A0517 | Mrs B Renuka | Retrival of Human Information with Machine Learning Techniques |
| 12 | 15U41A0503 | 15U41A0507 | 15U41A0520 | 15U41A0526 | 15U41A0545 | Mr Y Dinesh | IOT Based Drunk Driving Detection |

# VAN DE GRAAFF GENERATOR

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*


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| M.RAVI KISHORE | (16U45A0224) |
| M. MANIKANTA | (16U45A0222) |
| D.KISHORE | (16U45A0214) |
| A.SAIRAM | (15U41A0204) |
| A.LOKESH | (15U41A0202) |


*Under the Esteemed Guidance of*

**Mr. J.DELEEP KUMAR, M.Tech**

Assistant Professor, Department of EEE

**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

NAAC ACCREDITED INSTITUTE

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


2019

**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**

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## CERTIFICATE

This is to certify that the project report entitled "VAN DE GRAAFF GENERATOR" submitted by M.RAVI KISHORE (16U450224), M.MANIKANTA (16U45A0222), D.KISHORE (16U45A0214), A.SAIRAMI (15U41A0204), A.LOKESH (15U41A0202) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

**Mr. J.DELEEP KUMAR,**
Assistant Professor,
(Project guide)

**Mr. K.VIJAY KUMAR,**
Professor,
(Head of the Department)

EXTERNAL EXAMINER

# AUTOMATIC ELECTRONIC TOLL COLLECTION USING RFID SYSTEM

*A 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*


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| G.SRINU | (15U41A0213) |
| A.MURALI SATISH | (15U41A0203) |
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*Under the Esteemed Guidance of*

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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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## CERTIFICATE

This is to certify that the Project work entitled "AUTOMATIC ELECTRONIC TOLL COLLECTION USING RFID SYSTEM" is a being submitted by D JEEVAN MADHU SAI REDDY (15U41A0209), P VIJAY KUMAR REDDY (15U41A0222), G BINNU (15U41A0213), A MURALI SATISH (15U41A0203), N.MADHURI (15U41A0220) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2018-19.

**Mrs.A.LAKSHMI DURGA**
**(Assistant Professor)**
(PROJECT GUIDE)

**Mr.K.VIJAY KUMAR**
**(Associate Professor)**
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# CLOSED LOOP SPEED CONTROL OF BLDC MOTOR USING MICRO CONTROLLER

*A project report submitted in partial*

*Fulfillment of the requirement for the award of Degree of*

**BACHELOR OF TECHNOLOGY**

IN

**ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*


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| M.TEJA SREE | 14U45A0223 |
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*Under the Estimated Guidance of*

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## CERTIFICATE

This is to certify that the Project work entitled "closed loop speed control of BLDC motor using microcontroller" is a being submitted by A JYOTHSNA (16U45A0201), K HARSHITHA (16U45A0211), M TEJA SREE (16U45A0223), A DURGA MAHESH (15U41A0201), U VINAY (15U41A0225) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2018-19.

**Mr.G.JAGADEESH**
**(ASSISTANT PROFESSOR)**
(PROJECT GUIDE)

**Mr.K.VIJAY KUMAR**
**(ASSOCIATE PROFESSOR)**
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# AUTOMATIC VEHICLE DETECTING STREET LIGHTS USING ARDUINO

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*


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| N.GANESH | 16U45A0215 |
| P.DEVENDRA | 16U45A0216 |
| A.NANI | 15U41A0205 |
| E.LIKITHA | 15U41A0210 |


*Under the Esteemed Guidance of*

**Mr. J.DELEEP KUMAR,** M.Tech

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


**2019**

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## CERTIFICATE

This is to certify that the Project work entitled "AUTOMATIC VEHICLE DETECTING STREET LIGHTS" is a being submitted by N.GANESH (15U41A0215), P.DEVENDRA (15U41A0210), E.LIKITHA (15U41A0210), A.NANI (15U41A0205), M.PRASAD (15U41A0218) in partial fulfillment of the requirements for award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

**Mr. J.DELEEP KUMAR,**
**(ASSISTANT PROFESSOR)**
(PROJECT GUIDE)

**Mr. K.VIJAY KUMAR,**
**(PROFESSOR)**
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# DESIGN AND IMPLEMENTATION OF OFF GRID 2KWp PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*


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| M.PANKAJ | 15U41A0219 |
| V.SAI KIRAN | 15U41A0226 |
| D.KASU BABU | 16U45A0205 |
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*Under the Esteemed Guidance of*

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

# CERTIFICATE

This is to certify that the project report entitled **"DESIGN AND IMPLEMENTATION OF OFF GRID 2KWp PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS."**submitted by D.LAVANYA (16U45A0204), M.PANKAJ(15U41A0219), V.SAI KIRAN (15U41A0226), D.KASUBABU(16U45A0205), M.ASHOK BABU (16U45A0213) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in Electrical &Electronics Engineering. fromDADI INSTITUTE OF ENGINEERING&TECHNOLOGY(approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada)is a record of bona fide work carried out by them under my guidance and supervision.

Mr. M. RAJENDRA PRASAD
Assistant Professor
**PROJECT GUIDE**

Mr. K. VIJAY KUMAR
Associate professor
**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**

# DESIGN AND IMPLEMENTATION OF OFF GRID 2KWP PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING


*Submitted by*

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| L.SIMHACHALAM NAIDU | 16U45A0250 |
| P.VIJAY SAI KUMAR | 16U45A0229 |
| L.YASWANTH | 16U45A0251 |
| K.KASI APPALA RAJU | 16U45A0246 |
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*Under the Esteemed Guidance of*

**Mr. M. RAJA RAO**

Assistant Professor, Department of EEE

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


**2019**

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# CERTIFICATE

This is to certify that the project report entitled **"DESIGN AND IMPLEMENTATION OF OFF GRID 2KWP PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS."** submitted by L.SIMHACHALAM NAIDU(160458A0250), P.VIJAY SAI KUMAR (160458A0239),L.YASWANTH(160458A0251), K.KABI APPALA RAJU (160458A0246),S.GANGADHAR (160458A0270) in partial fulfillment of the requirments for award of the Degree of Bachelor of Technology in Electrical & Electronics Engineering, from DADI INSTITUTE OF ENGINEERINGATECHNOLOGY (approved by A.I.C.T.E., New Delhi & Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

Sri. M. Raja Rao
Assistant Professor
**PROJECT GUIDE**

Mr. K. Vijay Kumar
Associate professor
**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**

# MICROCONTROLLER BASED SINGLE AXIS SOLAR TRACKING CONTROL OF PHOTOVOLTAIC PANELS USING STEPPER MOTOR

A project report submitted in partial
Fulfillment of the requirement for the award of the B.Tech in
ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by


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# CERTIFICATE

This is to certify that the project work entitled "MICROCONTROLLER BASED SINGLE AXIS SOLAR TRACKING CONTROL OF PHOTOVOLTAIC PANELS USING STEPPER MOTOR" has been carried out by L.NARESH (16U45A0249), B.NANIBABU (16U45A0243), K.VENKATESH (16U45A0273), P.RAMESH (16U45A0254), O.APPALA NAIDU (16U45A0269) Submitted in partial fulfillment of the requirement for the Award of BACHELOR OF TECHNOLOGY in ELECTRICAL AND ELECTRONICS ENGINEERING during the academic year 2018-2019.

**Miss. P.JAGRUTHI,**
**(Assistant Professor)**
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**Mr. K.VIJAYKUMAR,**
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**External Examiner**

# DENSITY BASED TRAFFIC LIGHT TIMING CONTROL SYSTEM

*A 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*


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*Under the Esteemed Guidance of*

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Assistant Professor, Department of EEE


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**2019**

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This is to certify that the Project work entitled "DENSITY BASED TRAFFIC LIGHT TIMING CONTROL SYSTEM" is a being submitted by M. HEMA LATHA (16U45A0220), P.MAHENDRA VARMA(16U45A0228),P.CHAITANYA (16U45A0230), T. SANTOSH KUMAR (16U45A0260), in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL AND ELETRONICS ENGINEERING during the academic year 2018-2019

**Mrs. A. LAKSHMI DURGA**
**(ASSISTANT PROFESSOR)**
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EXTERNAL EXAMINER

# DESIGN AND PERFORMANCE EVALUATION OF AN ELECTRIC VEHICLE BY USING BRUSHLESS DC MOTOR

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

In

**ELECTRICAL & ELECTRONICS ENGINEERING**

By


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# CERTIFICATE

This is to certify that the project report entitled "DESIGN AND PERFORMANCE EVALUATION OF AN ELECTRIC VEHICLE BY USING BRUSHLESS DC MOTOR" submitted by G.RAJ SEKHAR (16U45A0264), S.KALYAN (16U45A0232), M.RAJASEKHAR (16U45A0266), SK.VALLI BABU (16U45A0238), M.BASKHAR (16U45A0272) in partial fulfillment of the requirement for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, during the academic year 2018-19.

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**EXTERNAL EXAMINER**

# DESIGN AND IMPLEMENTATION OF OFF GRID 2KWP PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

*Submitted by*


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# CERTIFICATE

This is to certify that the project report entitled **"DESIGN AND IMPLEMENTATION OF OFF GRID 2KWP PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS."** submitted by S.DEVI (16U45A0231), V.VINEETHH (16U45A0234), K.DAYESHWAR RAO (16U45A0239), N.N.V.S.VARAPRASAD (16U45A0253), in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in *Electrical &Electronics Engineering*, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

Mr. G. JAGADEESH
Assistant Professor
**PROJECT GUIDE**

Mr. K. VIJAY KUMAR
Associate professor
**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**

# DESIGN AND IMPLEMENTATION OF OFF GRID 2KWp PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL & ELECTRONICS ENGINEERING**

*Submitted by*


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*Under the Esteemed Guidance of*

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**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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# CERTIFICATE

This is to certify that the project report entitled **"DESIGN AND IMPLEMENTATION OF OFF GRID 2KWp PV SYSTEM WITH MPPT FOR ILLUMINATION OF LED LIGHTS."** submitted by S.SAI KUMAR (16U45A0257), S.VENKATA SATHISH (16U45A0258), R.J.VENKATA SAI (16U45A0256), S.SAI KUMAR (16U45A0259), M.SARATH KUMAR (16U45A0252) in partial fulfilment of the requirements for award of the Degree of Bachelor of Technology in *Electrical &Electronics Engineering*, from DADI INSTITUTE OF ENGINEERING & TECHNOLOGY (approved by A.I.C.T.E., New Delhi& Affiliated to JNTU, Kakinada) is a record of bona fide work carried out by them under my guidance and supervision.

Mr. K. VIJAY KUMAR
Associate Professor
**PROJECT GUIDE**

Mr. K. VIJAY KUMAR
Associate professor
**HEAD, DEPARTMENT OF EEE**

**EXTERNAL EXAMINER**

# IR SENSOR BASED CRACK DETECTION OF RAILWAY TRACK USING GSM AND GPS SYSTEM

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

**BACHELOR OF TECHNOLOGY**

**IN**

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| K.NEELIMA | 16U45A0248 |
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*Under the Esteemed Guidance of*

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

## CERTIFICATE

This is to certify that the Project work entitled **"IR SENSOR BASED CRACK DETECTION OF RAILWAY TRACK USINGGSM AND GPS SYSTEM"** is a being submitted by M.ASHOK (16U45A0236), A.PRAVALLIKA (16U45A0242), K.NEELIMA (16U45A0248), R.MOHAN (16U45A0268), A.NAVEEN (16U45A0241) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRICAL & ELECTRONICS ENGINEERING during the academic year 2016-19.

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Mr.K.Vijay Kumar
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EXTERNAL EXAMINER

# DESIGN AND PERFORMANCE EVALUATION OF AN ELECTRIC VEHICLE BY USING BRUSHLESS DC MOTOR

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

In

**ELECTRICAL & ELECTRONICS ENGINEERING**

By


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| K.NAGAGANESH | (160145A0237) |
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**NH-5, Anakapalle-531002, Visakhapatnam, A.P**

# CERTIFICATE

This is to certify that the project report entitled "DESIGN AND PERFORMANCE EVALUATION OF AN ELECTRIC VEHICLE BY USING BRUSHLESS DC MOTOR" submitted by K.NAGAGANESH (16U15A0237), A.HARI KRISHNA (16U45A0271), P.RAMCHARAN (16U45A0255), T.H.SAI KUMAR (16U45A0261), Y.GOVIND (16U45A0262) in partial fulfillment of the requirement for award of the Degree of Bachelor of Technology in *Electrical & Electronics Engineering*, during the academic year 2018-19.

Mr.A.KRISHNA NAG
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Mr. K.VIJAY KUMAR
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**EXTERNAL EXAMINER**

# INTELLIGENT CONDITION MONITORING OF AIR BLOWER USING INTERNET OF THINGS

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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*Under the Esteemed Guidance of*

**Dr. K. Sujatha**

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## CERTIFICATE

This is to certify that the Project work entitled "INTELLIGENT CONDITION MONITORING OF AIR BLOWER USING INTERNET OF THINGS" is a being submitted by N.PRATHYUSHA, P.LIKITHA, R.RAVI KUMAR, Y.VENKATA PADMA in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2018-19.

**Dr. K. SUJATHA**
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EXTERNAL EXAMINER

# DESIGN OF REAL TIME HEAT SYSTEM AUTOMATION CONTROL USING INTERNET OF THINGS

*A Project Report submitted in partial fulfillment of the requirements For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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*Under the Esteemed Guidance of*
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**2019**

**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**
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**NH-5, Anakapalle-531002, Visakhapatnam, A.P**

## CERTIFICATE

This is to certify that the Project Work entitled "DESIGN OF REAL TIMEHEAT SYSTEM AUTOMATION CONTROL USING INTERNET OF THINGS" is being submitted by P.HIMALATHA (15U41A05A9),D.PRIYANKA (15U41A0585), G.BALAKRISHNA (15U41A0593), T.KRANTHI KUMARI (15U41A05C2), M.SAPTAGIRI(15U41A0599 in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2018-2019.

**Mr. RAMARAJU S.V.S.V.P**
**(Sr. Assistant Professor)**
(PROJECT GUIDE)

**Dr.L.PRASANNA KUMAR**
**(Associate Professor)**
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# WEB POLLING

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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| B. SRAVANI | 15U41A0573 |
| V. N. S. DURGA PRASAD | 15U41A05C6 |
| B. VINAY | 15U41A0580 |
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*Under the Esteemed Guidance of*

**Mr. Ch. Dinesh**

Sr. Assistant Professor, Department of CSE

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


2019

**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**
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# CERTIFICATE

This is to certify that the Project work entided "WEB POLLING" is a being submitted by B SRAVANI (15U41A0573), V N S DURGA PRASAD (15U41A05C6), B VINAY (15U41A0580), B MANOJ KUMAR (15U41A0575), R HAREESH (15U41A05B0) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2018-19.

**Mr. CH. Dinesh**
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**Dr. L. PRASANNA KUMAR**
**ASSOCIATE PROFESSOR**
(HEAD OF THE DEPARTMENT)

Computer Science and Engg.
Dadi Institute of Engg. & Tech
Anakapalle - 531 001

# PORTABLE PHISHING ATTACK TOOL

*A project report submitted in the partial fulfilment of the requirements for the award of degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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*Under the esteemed guidance of*

**Dr. L.PRASANNA KUMAR**

Associate Professor, Department of CSE


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**(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)**

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**2019**

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## CERTIFICATE

This is to certify that the project report entitled, "PORTABLE PHISHING ATTACK TOOL" is being submitted By M.CHANDRAJA(16U45A0508),A. ANJANI (16U45A0501), A.YASASWINI (15U41A0572), P.DANTESWARI (15U41A05A3), M.HAKIL(15U41A0595) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY OF COMPUTER SCIENCE AND TECHNOLOGY during the academic year 2018-2019.

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# STUDENT MONITORING SYSTEM USING FACE RECOGNITION TECHNIQUE

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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## CERTIFICATE

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# SEMANTIC-BASED COMPOUND KEYWORD SEARCH OVER ENCRYPTED CLOUD DATA

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

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# TWITTER SENTIMENT ANALYSIS USING MACHINE LEARNING ON PYTHON

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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# GPS BUS TRACKING SYSTEM

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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# IOT BASED DRUNK DRIVER DETECTION

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

**BACHELOR OF TECHNOLOGY**

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# FINGERPRINT BASED LIBRARY ATTENDENCE SYSTEM

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

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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# AUTOMATED HELP ASSISTANCE SYSTEM

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

**BACHELOR OF TECHNOLOGY**

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# SUPERMAN

## SECURITY USING PRE-EXISTENCE ROUTING FOR MOBILE AD HOC NETWORKS

**A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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# A STUDY ON MUNICIPAL SOLID WASTEMANAGEMENT IN LOCAL SCENARIO OF ANAKAPALLE TOWN

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

**BACHELOR OF TECHNOLOGY**

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**CIVIL ENGINEERING**

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EXTERNAL EXAMINER

# AN EXPERIMENTAL STUDY ON FRESH & HARDENED PROPERTIES OF M20 GRADE CONCRETE WITH PARTIAL REPLACEMENT OF FINE AGGREGATE & CEMENT WITH PLASTIC AND FLYASH RESPECTIVELY

***A project report submitted in partial fulfillment of the requirements for the award of the degree of***

**BACHELOR OF TECHNOLOGY**

**IN**

CIVIL ENGINEERING

*Submitted by*


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EXTERNAL EXAMINER

# CHARACTERIZATION OF SEWAGE AND DESIGN OF SEWAGE TREATMENT PLANT

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

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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This is to certify that the Project Work entitled **"CHARACTERIZATION OF SEWAGE AND DESIGN OF SEWAGE TREATMENT PLANT"** That is being submitted by K. DIVAKAR (16U45A0106), B. ASHOK (16U45A0135), **K. BHANU (15U41A0110)**, K. RAJESH (15U41A0114), D. HARISH (15U41A0131) for the fulfillment of the degree of bachelor of technology in CIVIL ENGINEERING to Jawaharlal Nehru Technological University – Kakinada is a record of bonafide work carried out by him under my guidance and supervision.

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EXTERNAL EXAMINER

# AN EXPERIMENTAL STUDY ON LIGHTWEIGHT CONCRETE WITH WASTE TIMBER

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

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| A SRAVANI | (16U45A0102) |
| P PAVAN | (16U45A0119) |
| R MAHESH | (15U41A0119) |
| MITHUN KRISHNAN | (15U41A0116) |
| G SAI RAMA KRISHNA | (15U41A0107) |


*Under the Esteemed Guidance of*

**Mr. M.R.V.S.G.GUPTHA**

Assistant professor, Department of

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


**2019**

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## CERTIFICATE

This is to certify that the Project Work entitled "AN EXPERIMENTAL STUDY ON LIGHTWEIGHT CONCRETE WITH WASTE TIMBER" that is being submitted by A SRAVANI(16U45A0102), P PAVAN(16U45A0114), RMAHESH (15U41A0119), MITHUN KRISHNAN (15U41A0116), O SAI RAMA KRISHNA (15U41A0107) for the fulfillment of the degree of bachelor of technology in CIVIL ENGINEERING to Jawaharlal Nehru Technological University – Kakinada is a record of bonafide work carried out by him under my guidance and supervision.

**Mr. M.R.V.S.G.GUPTHA**
**(ASSISTANT PROFESSOR)**
(PROJECT GUIDE)

**Sri. B.SESHAGIRI RAO**
**(ASSISTANT PROFESSOR)**
(HEAD OF THE DEPARTMENT)

Head of the Department
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EXTERNAL EXAMINER

# A STUDY ON STRENGTH AND DURABILITY PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF AGGREGATES WITH CERAMIC TILES AND GRANITE POWDER

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| K. KUSUMA RAMYATHA | (15U45A0113) |
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*Under the Esteemed Guidance of*

**Mrs P. LAVANYA**

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

## CERTIFICATE

This is to certify that the Project work entitled "**A STUDY ON STRENGTH AND DURABILITY PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF AGGREGATES WITH CERAMIC TILES AND GRANITE POWDER**" is a being submitted by K.KUSUMA RAMYATHA (15U41A0113), N.VENKAT NARAYANA (16U45A0141), U.JOGESWAR SAI (15U45A0127), G.REVATHI (15U41A0108), in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2018-19.

**Mrs P. LAVANYA**
**(ASSISTANT PROFESSOR)**
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EXTERNAL EXAMINER

# STRENGTHENING OF SOIL USING CHEMICAL ADDMIXTURES-A COMPARITIVE CASE STUDY

*A Project Report submitted in partial fulfilment of the requirements*

*for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| B.VARAHALA MURTHY | (16U45A0138) |
| B.TRIVENI | (15U41A0104) |
| V.AASHRITH VARMA | (15U41A0122) |
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*Under the Esteemed Guidance of*

**Mr. M.R.V.S.G.GUPTHA**

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**NH-5, Anakapalle-531002, Visakhapatnam, A.P.2019**

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

# CERTIFICATE

This is to certify that the project work entitled "STRENGTHENING OF SOIL USING CHEMICAL ADDMIXTURE-A COMPARITIVE CASE STUDY" is a being submitted by B. VARAHALA MURTHY (16U15A0138), D.TRIVENI (15U41A0104), V. AASHRITH VARMA (15U41A0122), CH.USHA SRI (16U45A0120), B. PAVAN KUMAR (15U41A0126) in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY for civil engineering during academic year 2018-2019.

**Mr. M.R.V.S.G.GUPTHA**
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EXTERNAL EXAMINER

# EXPERIMENTAL STUDY ON GLASS FIBRE REINFORCED CONCRETE WITH THE REPLACEMENT OF NATURAL SAND WITH QUARRY ROCK DUST

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

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| M. SAI KUMAR | 16U45A0109 |
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*Under the Esteemed Guidance of*

**Ms P. UMA**

Asst Professor, Department of CIVIL

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**2019**

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

## CERTIFICATE

This is to certify that the Project Report entitled, "EXPERIMENTAL STUDY ON GLASS FIBRE REINFORCED CONCRETE WITH THE REPLACEMENT OF NATURAL SAND WITH QUARRY ROCK DUST" is being submitted by M.SAI KUMAR (16U45A0109), CH.RAJANRAJU (16U45A0132), K.MANOHAR (15U41A0112),N.GANESH (16U45A0128), A.RAHUL (15U41A0101) in partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING to Jawaharlal Nehru Technological University – Kakinada is a record of bonafide work carried out by him in the year 2018-2019 under my guidance and supervision.

**Ms. P. UMA**
**(Asst. Professor)**
(PROJECT GUIDE)

**Mr. S. SRINIVASU RAO**
**(Asst. Professor)**
(HEAD OF THE DEPARTMENT)

Head of the Department
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Anakapalle - 531 002

EXTERNAL EXAMINER

# ENVIRONMENTAL IMAPCT ASSESSMENT OF DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLE

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

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| OM KUMAR | (15U41A0130) |
| A. RAMA LAKSHMI | (16U45A0136) |
| **S. KRANTHI KUMAR** | **(16U45A0116)** |
| B. MAHALAXMI NAIDU | (16U45A0134) |
| B. ROHITH KUMAR | (15U41A0103) |


*Under the Esteemed Guidance of*

**Mr. K. SANTHOSH**

Asst. Professor, Department of CIVIL ENGINEERING

**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**

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


**2019**

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
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# CERTIFICATE

This is to certify that the Project work entitled "ENVIRONMENTAL IMAPCT ASSESSMENT OF DADI INSTITUTE OF ENGINEERING & TECHNOLOGY, ANAKAPALLE" is a being submitted by OM KUMAR (15U41A0130), A.KAMA LAKSHMI (16U45A0136), **S.KRANTHI KUMAR (16U45A0116)**, B.MAHALAXMI NAIDU (16U45A0134) & B. ROHITH KUMAR (15U41A0103)in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2018-19.

**Mr. K. SANTHOSH**
**(ASST. PROFESSOR)**
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Head of the Department
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EXTERNAL EXAMINER

# EXPERIMENTAL STUDY ON IMPROVING THE STRENGTH OF PERVIOUS CONCRETE BY USING SUPER PLASTICIZER 60

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

**BACHELOR OF TECHNOLOGY**

**IN**

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*Submitted by*


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*Under the Esteemed Guidance of*

**CH. JYOSHNA**

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## CERTIFICATE

This is to certify that the Project work entitled "EXPERIMENTAL STUDY ON IMPROVING THE STRENGTH OF PERVIOUS CONCRETE BY USING SUPER PLASTICIZER 60" is a being submitted by P.PRASAD (16U45A0126), K.RENUKA (16U45A0130), P.PREM KUMAR (16U45A0115), B.THARUN KUMAR (16U45A0137), CH.SRI RAM (16U45A0133) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2018-19.

**Ms. CH. JYOSHNA**
**(ASSISTANTPROFESSOR)**
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**Sri. S. SEETHAGIRI RAO**
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EXTERNAL EXAMINER

# EXPERIMENTAL STUDY ON BLACK COTTON SOIL BRICKS BY USING FLYASH

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| G.RAJA | 16U45A0105 |

*Under the Esteemed Guidance of*

**Ms.CH.JYOSHNA**

Assistant Professor, Department of CIVIL

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


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

# CERTIFICATE

This is to certify that the project report entitled, **"EXPERIMENTAL STUDY ON BLACK COTTON SOIL BRICKS USING FLYASH"** is being Submitted By N.MANJULA, CH.RAJASEKHAR, I.MANIKANTA, B.RAJENDRA PATRUDU, G.RAJA. In partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING during the academic year 2018-2019.

**Ms.CH.JYOSHNA**
**(ASST.PROFESSOR)**
(PROJECT GUIDE)

25/5/19
**Mr.B.SESHAGIRI RAO**
**(ASST.PROFESSOR)**
(HEAD OF THE DEPARTMENT)

Head of the Department
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Anakapalle - 531 002

EXTERNAL EXAMINER

# PROPERTIES OF SELF COMPACTING CONCRETE FOR M40 GRADE BY USING ADMIXTURES

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

**BACHELOR OF TECHNOLOGY**

**IN**

CIVIL ENGINEERING

*Submitted by*


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| A. SANTHOSH KUMAR | 160345A0101 |
| M. KARTIK | 160345A0125 |
| S. MARTEENA LYDIA | 150341A0121 |
| E. PRUDHVI SAMPATH SAI | 150341A0106 |
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*Under the Esteemed Guidance of*

**V. ALIVELU MANGAMMA**

Assistant Professor, Department of Civil

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


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## CERTIFICATE

This is to certify that the project work entitled "PROPERTIES OF SELF COMPACTING CONCRETE FOR M40 GRADE BY USING ADMIXTURES" is a being submitted by " A.SANTHOSH KUMAR (16U45AU101), M.KARTIK (16U45A0125), S.MARTEENA LYDIA (15U41A0121), E.PRUDHVI SAMPATH SAI (15U41A0106), V.NARSING RAO (16U45A0117), for the fulfilment of the Degree of bachelor of technology in civil engineering to Jawaharlal Nehru Technological university- Kakinada is a record of beneficed work carried out by them under my guidance and supervision.

**Ms. V. Alivelu Mangamma**
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)

**Mr. B. Srinagiri Rao**
(ASSISTANT PROFESSOR)
(HEAD OF THE DEPARTMENT)

Head of the Department
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EXTERNAL EXAMINER

# EXPERIMENTAL STUDY ON SELF COMPACTING CONCRETE USING MINERAL ADMIXTURES

*A project report submitted in partial fulfilment of the requirements for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


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| G.RAMESH | (160145A0122) |
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*Under the esteemed guidance of*

**Mr. K. SANTHOSH**

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

## CERTIFICATE

This is to certify that the project entitled "EXPERIMENTAL STUDY ON SELF COMPACTING CONCRETE USING MINERAL ADMIXTURES" is being submitted by RAMESH GORLE (16U45A0122), K. SRINIVASA RAO (16U45A0139), A. JOHN (15U41A0102), M. CHANDRA SEKHAR (15U41A0115), R.POORNA CHANDU (15U41A0128) in partial fulfilment for the award of the Degree of Bachelor of Technology in Civil engineering during the academic year 2018-2019.

**Mr. K. SANTHOSH**
Asst.professor
(Project guide)

**Mr.B.SESHAGIRI RAO**
Asst.professor
(Head of the Civil Department)

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002

**External Examiner**

# STABILIZATION OF EXPANSIVE SOIL BY USING BAGGASE ASH AND RICE HUSK ASH

*A project report submitted in partial fulfillment of the requirements for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


| | |
|---|---|
| M.BALA KRISHNA | (16U45A0110) |
| K.RENUKA | (16U45A0108) |
| K.AYYAPA NAIDU | (16U45A0107) |
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*Under the Esteemed Guidance of*

**Mrs.B.RAMYA,**

Assistant professor, Department of Civil

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


**(2019)**

**DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY**
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**NH-5, Anakapalle-531002, Visakhapatnam, A.P**

## CERTIFICATE

This is to certify that the project work entitled "STABILIZATION OF EXPANSIVE SOIL BY USING BAGGASE ASH AND RICE HUSK ASH" that is being submitted by "M.BALA KRISHNA (16U45A0110), K.RENUKA (16U45A0108), K.AYYAPANAIDU (16U45A0107), V.S.LALITHAMBA (15U41A0123), D.VAMSI (15U41A0105), for the fulfillment of the Degree of bachelor of technology in civil engineering to Jawaharlal Nehru Technological university- Kakinada is a record of bonified work carried out by them under my guidance and supervision.

Mr.K.B.Kanya
Assistant Professor,
Project Guide.

B.Seshagiri Rao
H.O.D Civil Engineering.

External Examiner

# GPS BASED VEHICLE TRACKING SYSTEM UISNG WI-FI MODULE

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


| | |
|---|---|
| K.BHARGAVI | 16U45A0413 |
| P.VISWATEJA | 16U45A0422 |
| M.ANUSHA | 16U45A0425 |
| K.LOVA GANGAMANI | 16U45A0412 |
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*Under the Esteemed Guidance of*

**Mr.K.S.N.V Someswara Rao,** MTech.,

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NH – 5, Anakapalle – 531002, Visakhapatnam, AP


2019

**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**
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## CERTIFICATE

This is to certify that project entitled "GPS BASED VEHICLE TRACKING SYSTEM USING Wi-Fi MODULE", being submitted by K.BHARGAVI, P.VISWA TEJA, M.ANUSHA, K.LOVA GANGA MANI, S.VASU DILIP bearing the Regd. No's:16U45A0413, 16U45A0422, 16U45A0425, 16U45A0412, 16U45A0426 in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this project have not been submitted to any other University or Institute for the award of any degree or diploma.

**Mr.K.S.N.V.Someswara Rao,**
**M.Tech,Assistant Professor**
(PROJECT GUIDE)

**Mr.K.Jogi Naidu,**
**Sr.Assistant Professor**
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# DESIGN OF A COMPACT METAMATERIAL MULTIBAND ANTENNA FOR WLAN/WIMAX/ITU BAND APPLICATIONS

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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| P.PARAMESWARA RAO | 16U45A0419 |
| R.JHANSI RANI | 16U45A0424 |
| B.JYOTHSNA | 16U45A0435 |
| Y.ANUSHA | 16U45A0429 |
| K.RAJA SEKHAR | 16U45A0432 |


*Under the Esteemed Guidance of*

**Mrs.P.POORNA PRIYA,M.Tech,(Ph.D)**

Assistant Professor, Department of ECE

**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

**NAAC Accredited Institute**

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**NH – 5, Anakapalle, Visakhapatnam– 531002.**


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## CERTIFICATE

This is to certify that project entitled "DESIGN OF A COMPACT METAMATERIAL MULTIBAND ANTENNA FOR WLAN/WIMAX/ITU BAND APPLICATIONS", being submitted by P.PARAMESWARA RAO, R.JHANSI RANI, B.JYOTHSNA, Y.ANUSHA, K.RAJA SEKHAR bearing Roll no: 16U45A0419, 16U45A0424, 16U45A0435, 16U45A0429, 16U45A0432 in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by them under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

P Poorna Priya

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**MR.K.JOGI NAIDU**
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EXTERNAL EXAMINER

# DESIGN OF NEW LOW-POWER AND AREA EFFICIENT FULL ADDER FOR ARITHMETIC APPLICATIONS

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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| **P. Santosh kumar** | **15U41A0432** |
| **G. Vaishnavi** | **15U41A0411** |
| **Y. Sri Latha** | **15U41A0448** |
| **M. Kasi Viswanadham** | **15U41A0427** |
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*Under the Esteemed Guidance of*

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# CERTIFICATE

This is to certify that project entitled " DESIGN OF NEW LOW-POWER AND AREA EFFICIENT FULL ADDER FOR ARITHMETIC APPLICATIONS ", being submitted by P. Santosh kumar (15U41A0432), G. Vaishnavi (15U41A0411), Y. Sri Latha (15U41A0448), M. Kasi Viswanadham (15U41A0427), S S V Chiranjeevi (15U41A0450) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of bonafied work carried out by him under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**Mr. K. Jogi Naidu**
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**Mr. K. Jogi Naidu**
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EXTERNAL EXAMINER

# HARTLEY TRANSFORM BASED OFDM FOR OPTICAL FIBER COMMUNICATION

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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## CERTIFICATE

This is to certify that the Project work entitled "HARTLEY TRANSFORM BASED OFDM FOR OPTICAL FIBER COMMUNICATION" is a being submitted by P.SRAVANI, K.RAGADEEPIKA, M.K.L.SURYA KALA, K.SHANMUKH SAI, K.LOKESH in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2018-19.

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EXTERNAL EXAMINER

# MULTIFACETED ROBOT

*A Project Report submitted in partial fulfillment of the requirement*
*For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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# CERTIFICATE

This is to certify that the project work entitled "MULTIFACETED ROBOT" is being submitted by G.Vani(16U45A0407),K. Sowmya(16U45A0414), J.Sunitha (16U45A0409), K. Shiva (16U45A0410), P.H.K.S.N.D.S .Kumar (16U45A0421), K.Shyam ganesh (16U45A0438) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafied work carried out by them under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**Mrs. D L Mythri**
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**Mr. K Jogi Naidu**
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**EXTERNAL EXAMINER**

# DESIGN OF NEW DOUBLE TAIL COMPARATOR WITH LOW VOLTAGE LOW POWER AND AREA EFFICIENT

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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**EXTERNAL EXAMINER**

# MULTIFACETED ROBOT

*A Project Report submitted in partial fulfillment of the requirements For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

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# CERTIFICATE

This is to certify that the project work entitled " MULTIFACETED ROBOT " is being submitted by P. JAYASREE, V. VASUDEV, L. SAI KUMAR, K. DURGA NAGAMANI, A. DURGA PRASAD in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2018-19.

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EXTERNAL EXAMINER

# FIRE FIGHTING ROBOT

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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## CERTIFICATE

This is to certify that the Project work entitled "FIRE FIGHTING ROBOT" is a being submitted by M.SAI CHARAN (15U41A0430), M. SHYAMALA (15U41A0431),S.PRIYANKA (15U41A0440),V.GOVINDA RAJU (15U41A0447),BUPINDER KAUR (15U41A0452) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION & ENGINEERING during the academic year 2018-19.

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**EXTERNAL EXAMINER**

# MULTIFACETED ROBOT

*A Project Report submitted in partial fulfillment of the requirements For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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| G JAGADEESH | (15U41A0410) |
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This is to certify that the project work entitled "MULTIFACETED ROBOT" is being submitted by G JAGADEESH (15U41A0410), K V L DEVI (15U41A0417), CH MALATHI (15U41A0405), K REVATHI (15U41A0417), A LOCHAN (15U41A0403) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafied work carried out by them under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**Mrs. D L Mythri**
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**EXTERNAL EXAMINER**

# FIRE FIGHTING ROBOT

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

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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| K.KIRANMAYI | (15U41A0412) |
| M.BHARATHI | (15U41A0429) |
| K.PRUDHVI RAJ | (15U41A0420) |
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**EXTERNAL EXAMINER**

# IMPLEMENTATION OF AREA EFFICIENT SRAM CELL

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

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## CERTIFICATE

This is to certify that project entitled "IMPLEMENTATION OF AREA EFFICIENT SRAM CELL", being submitted by K. SOWMYA (15U41A0415), M. LATA SRI (15U41A0423), M. GOWTHAMI (15U41A0424), R. YASODHA VANAJA (15U41A0439), V. JAYA CHANDRIKA (15U41A0445) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by them under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**Miss. Sheik Shabeena**
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**Mr. K. Jogi Naidu**
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**EXTERNAL EXAMINER**

# MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY, DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO NANO

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

**BACHELOR OF TECHNOLOGY**
**IN**
**ELECTRONICS AND COMMUNICATION ENGINEERING**

**Submitted by**


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**Under the Esteemed Guidance of**

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*2019*

**DADI INSTITUTE OF ENGINEERING &TECHNOLOGY**
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National Highway -5, Anakapalle – 531002, Visakhapatnam Dist., A.P.

## CERTIFICATE

This is to certify that project entitled "MEASUREMENT OF TEMPERATURE AND RELATIVE HUIMIDITY,DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO NANO", being submitted by K.BHARGAVI (15U41A0410), V.DEEPTHI (15U41A0449), G.SRI RAMYA (15U41A0451), P.TARUN KUMAR(15U41A0438), S.VARAHALU (15U41A0450) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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**EXTERNAL EXAMINER**

# MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY, DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO NANO

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

**BACHELOR OF TECHNOLOGY**
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2019

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(PROJECT GUIDE)

**Mr. K. Jogi Naidu Assistant**
**Assistant Professor**
(HEAD OF THE DEPARTMENT)

**EXTERNAL EXAMINER**

# PERFORMANCE ANALYSIS OF SRAM ARRAY ARCHITECTURES

*A Project Report submitted in partial fulfillment of the requirements For the award of the Degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

*Submitted by*


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|---|---|
| CH. JHANSI | 16U45A0404 |
| D. HEMA LATHA | 16U45A0405 |
| M. HARISH | 16U45A0417 |
| D.N.V.S. NOOKA RAJU | 16U45A0406 |
| A. SWATHI | 16U45A0402 |


*Under the Esteemed Guidance of*

**Mr. K. JOGI NAIDU**

Assistant Professor & HOD, Department of ECE

**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 Institute**

**NH – 5, Anakapalle– 531002, Visakhapatnam, A.P.**


**2019**

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

## CERTIFICATE

This is to certify that the Project work entitled "PERFORMANCE ANALYSIS OF SRAM ARRAY ARCHITECTURES" is a being submitted by CH. JHANSI, D. HEMA LATHA, M. HARISH, D. N.V.S. NOOKA RAJU, A. SWATHI in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS AND COMMUNICATION ENGINEERING during the academic year 2018-19.

**Mr. K. JOGI NAIDU**
**(ASSISTANT PROFESSOR)**
(PROJECT GUIDE)

**Mr. K. JOGI NAIDU**
**(ASSISTANT PROFESSOR)**
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

# MEASUREMENT OF TEMPERATURE AND RELATIVE HUMIDITY, DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO NANO

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

**BACHELOR OF TECHNOLOGY**
**IN**
**ELECTRONICS AND COMMUNICATION ENGINEERING**

**Submitted by**


| | |
|---|---|
| K.V.S.RAVI TEJA | 15U41A0418 |
| S.MARTEENA KEZIA | 15U41A0443 |
| P.SNEHA | 15U41A0435 |
| S.SAI DEEPU | 15U45A0441 |
| V.SHIVA KUMAR | 15U45A0444 |


**Under the Esteemed Guidance of**

**Mr. Mohammad Shaffi**
**Assistant Professor, Department Of E.C.E**

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*NH – 5, Anakapalle, Visakhapatnam– 531002.*

*2019*

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**NAAC Accredited Institute**

National Highway -5, Anakapalle – 531002, Visakhapatnam Dist., A.P.

## CERTIFICATE

This is to certify that project entitled "MEASUREMENT OF TEMPERATURE AND RELATIVE HUIMIDITY,DISPLAY OF SCROLLING MESSAGE ON LED DISPLAY BY USING BLUETOOTH INTERFACE WITH ARDUINO NANO", being submitted by K.V.S.RAVI TEJA (15U41A0418), S.MARTEENA KEZIA (15U41A0443), P.SNEHA (15U41A0435), S.SAI DEEPU (15U41A0441), V.SHIVAKUMAR (15U41A0444) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in ECE to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**Mr.Mohammad Shaffi**
**Assistant Professor**
(PROJECT GUIDE)

**Mr. K. Jogi Naidu**
**Assistant Professor**
(HEAD OF THE DEPARTMENT)

**EXTERNAL EXAMINER**

# Industrial Visit for the Students of Civil Engineering, 8th February, 2019

As a part of Knowledge Enhancement and to gain practical knowledge, the Department of Civil Engineering of Dadi Institute of Engg & Technology organized Industrial Visit for the students of final year, to Ultra-Tech Cements PVT LTD, Visakhapatnam on 8th Febrauary, 2019

Studens at ultra tech plant

The students learnt the latest and ongoing techniques in the field of Civil Engineering used in Cement Industries. The Cluster In-charge and the Sr.Engineer, Dr B.Ravikumar not only explained the latest equipment used in the Industry but also demonstrated the instruments that were used in manufacturing process. Students were briefed by the engineers of the plant to get a good idea of the gigantic equipmentused in the Batch Processing. The students were also shown the software used by the engineers to monitor and execute the controls in the industry.The students thanked the Engineers of Ultra-Tech PVT LTD, Dr.Ch.S.Naga Prasad, Principal of the College, Mr. Seshagiri Rao, HOD, Civil Engineering, Ms.K.A.Manga, Sr Asst Prof of Civil Engg for organizing the visit.

LIST OF STUDENTS WHO ATTENDED THE FIELD TRIP

| | |
|---|---|
| 1 | 17U41A0101 |
| 2 | 17U41A0102 |
| 3 | 17U41A0103 |
| 4 | 17U41A0105 |
| 5 | 17U41A0107 |

| | |
|---|---|
| 6 | 17U41A0108 |
| 7 | 17U41A0109 |
| 8 | 17U41A0110 |
| 9 | 18U45A0101 |
| 10 | 18U45A0102 |
| 11 | 18U45A0103 |
| 12 | 18U45A0104 |
| 13 | 18U45A0105 |
| 14 | 18U45A0106 |
| 15 | 18U45A0107 |
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| 19 | 18U45A0111 |
| 20 | 18U45A0112 |
| 21 | 18U45A0113 |
| 22 | 18U45A0114 |
| 23 | 18U45A0115 |
| 24 | 18U45A0116 |
| 25 | 18U45A0117 |
| 26 | 18U45A0118 |
| 27 | 18U45A0119 |
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| 32 | 18U45A0125 |
| 33 | 18U45A0126 |
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| 37 | 18U45A0131 |
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| 41 | 18U45A0136 |
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| 45 | 18U45A0141 |
| 46 | 18U45A0142 |
| 47 | 18U45A0143 |
| 48 | 18U45A0144 |
| 49 | 18U45A0145 |
| 50 | 18U45A0146 |
| 51 | 18U45A0147 |
| 52 | 18U45A0148 |
| 53 | 18U45A0149 |
| 54 | 18U45A0150 |
| 55 | 18U45A0151 |

Students interacting with staff at cement plant

## A THREE DAY WORKSHOP ON NI LAB VIEW (APITA)

A Three Day Workshop on NI Lab VIEW was conducted to the final year students of ECE at DIET in association with APITA from on 15th to 18th of September, 2018. The resource person, Syed Ahamed Raza Saqqaf explained the basicsof NI Lab VIEW to the students. The students thanked for providing awareness on the topics likeLab VIEW Environment, Exploring Lab VIEW, Introduction of Data types, Hands on numeric data type The post lunch session was headed by the resource person, Mr. Prakash. He briefed the topics -Boolean Data Type, String Data type, Tunnel mode to the students

Syed Ahamed Raza Saqqaf interacting with students

## TWO DAY WORKSHOP ON ANDROID - DCBA 2K18 CHALLENGE

The Dept. of CSE organized a two day workshop on Android as a part of DIET Creative Buddy App challenge 2K18 from 24th to 25th August,2018, Resource Persons - Mr. Venkatapati Raju, Mr. Prahlad and Ms. Sai Keerthana provided the necessary inputs for the budding Engineers to design apps. The Mentors applauded the Principal, Head of the Department, CSE for motivating the creativity of the students. The students thanked the Management and the Principal for providing an opportunity to showcase their knowledge and skills.

Mr. Venkatapati Raju conducting workshop in computer lab

## A SIX DAY WORKSHOP ON EMBEDDED SYSTEMS & SCI LABS

The Dept. of EEE of DIET in association with Andhra Pradesh State Skill Development Corporation conducted a six day workshop on Embedded Systems & SCI labs from 16thJuly to 21st July 2018. The resource person, Sri G. Chandra Sekhar, APSSDC trained the students on the role of SCI labs in Design and analysis of circuits. Sri G. Satyanarayana, Divisional Electrical Engineer, APEPDCL awarded Certificates to the students on successful completion of the workshop during valedictory ceremony.

APEPDCL DEE Sri G. Satyanarayana interacting with students

## A SIX DAY WORKSHOP ON MENTOR GRAPHICS TOOL

Dadi Institute of Engineering & Technology, Visakhapatnam in association with IETE organized a Six-Day workshop for the students of ECE III & IV Year B. Tech on MENTOR GRAPHICS TOOL from 18th - 23rd JUNE 2018. The workshop not only enhanced but also strengthened the skills among the students in Full-Custom Design Methodology using Mentor Graphics. The students were able to gain knowledge on layouts,design and simulation. Prof P. Mallikarjuna Rao, Chairman IETE Visakhapatnam Center, Sri V. Uma Maheshwara Rao, Registrar, Andhra University graced the event on the first day as Chief Guest and Guest of Honour respectively. Chief Guest Shri V. Uma Maheshwara Rao, Registrar, Andhra University Inaugurating the Six-Day workshop on MENTOR GRAPHICS by Lighting the Lamp. The workshop enlightened & enriched the skill sets of the students in the field of Graphical designing. The mentors of the workshop applauded the students for their active participation and also appreciated the Management of the college for providing the required inputs to conduct the workshop effectively.

## SIX DAY WORKSHOP ON "REVIT STRUCTURES"

Department of Civil Engineering organized a six day workshop on "REVIT STRUCTURES" in association with Andhra Pradesh State Skill Development Corporation (APSSDC) under CM Skill Excellence centre during 25-02-2019 to 02-03-2019. The Workshop not only enhanced but also strengthened the skills among the students in Building Analysis and Designing in the field of Civil Engineering. The trainer explained the applications of the software. They also demonstrated the practical applications in designing. The students could build many models by using the application. The students were applauded for their active participation in the workshop. The Resource Person, Sri S Kanya Kumaridetailed the basics of Revit Structure to the Participants. The students were also guided by the Workshop Conveners- Mr.RVGSS Gupta, Mrs.S.Ramya, Asst Prof of Civil Engineering. The Resource Person also elucidated the rapid developments brought by Revit in the fields of architecture design, drafting and modeling processes by accomplishing substantial improvements in precision and efficiency. The students sketched out reinforcement details, made changes to the standard set of building designs. The students clarified the environmental benefits of the program as well energy modeling and environmental responsiveness. The students received course completion certificate. The resource persons were felicitated by the Principal of the College, Dr Ch.S.Naga Prasad and Head of the Department, Civil Engineering, Mr. B.Seshagiri Rao. All the Heads of the Departments, Vice Principal, Faculty members, students participated in the valedictory function.

Civil HOD Mr. Seshagiri addressing the students

Certificate distribution by Principal Mr. Naga Prasad

## A SIX DAY WORKSHOP ON GAMIFICATION with AR&VR Build box

The Department of CSE, Dadi Institute of Engineering & Technology in association with Andhra Pradesh State Skill Development Centre organized a Six Days Workshop on - "Gamification with AR&VR Buildbox" from 18th to 24th Dec 2018. augmented reality. They were briefed to build games in a safe and hazard free environment. By the end of the workshop, the students gained practical experience to build apps with the tools. The students were tested by an assessment on the last day of the workshop. All the participants were given certificates. They were appreciated for active participation in the workshop. Prof. Dr. Ch.S. Naga Prasad, Principal, Prof. Dr. L. Prasanna Kumar, HoD, CSE, APSSDC Resource Persons - Sri Harish Kumar & Sri Satish Kumar, trainers from APSSDC staff and students participated .

## A SIX DAY WORKSHOP on REVIT ARCHITECTURE

The Department of CIVIL Engineering of DIET in association with Andhra Pradesh State Soft Skills Development conducted a one week workshop for the final year Civil Engineering students on Revit Architecture from 27th August to 1st September, 2018. The resource person, Sri Sri S Kanya Kumari, APSSDC trained and gave an insight about Revit Architecture to the students. Dr O. Rama Mohan Rao, DGM, Vizag Steel Plant & Chair, IEI Vizag Chapter, awarded Certificates for the students on successful completion of the workshop during valedictory ceremony.

## IEEE Xtreme 12.0

The global event-IEEE Xtreme was conducted in DIET on 20th and 21st October, 2018. Twenty eight teams participated in the 24 hours event to solve a set of programming problems. One of the teams secured a score of 131.6 with an all India rank of 164. The Students thanked the Procter, Faculty members and the Management for providing a platform to prove their mettle.

## Guest Lecture on Machine Learning

"Machine Learning and its Applications" to the students of III & IV Year, Computer Science Engineering by Dr. Ch. Bindu Madhuri, JNTUK, Vizianagaram, in Seminar Hall-1 (AC) on 17th September,2018. She enlightened the students on the latest trends in technology with respect to Machine learning.

Dr. Ch. Bindu Madhavi, Asst. Prof. JNTU, VZM

## Faraday Memorial Distinguished Talk-2k18

The Department of Electrical & Electronics Engineering in association with DIET - IEEE Student Branch organized a Guest lecture on 22nd September, 2018. Dr. Basam Venkat Rao, Scientist D, NSTL, was the Resource Person of the event. The students were briefed on the latest ongoing research areas in the field of electrical and electronics engineering .

Dr. Basam Venkatarao, Scientist-D, NSTL

## Innovation, IPR and Entrepreneur Development awareness session

The R&D Centre of DIET in association with National Research Development Corporation, New Delhi organized a Seminar on Innovation, IPR & Entrepreneur Development on 9th Mar 2019 in Seminar Hall-1 (AC).The Resource Person, Dr. B.K. Sahu, Regional Manager, NRDC addressed the faculty members and students of the college. Dr B.KSahu emphasized on the importance of intellectual property rights specifically in the area of Science & Technology. He also described the support offered by the government in Patents filing and processing.Dr B.K.Sahu also motivated the students and facultymembers to think innovatively in their respective fields of engineering. He further explained the difference between Copyright, Patent and Trademark.

Dr. B.K. Sahu, Regional Manager, NRDC addressing students

## Interactive Session on Banking Sector Innovations

The Department of MBA conducted an interactive session on the Innovations of Banking Sector. The Chief Guest of the event, Sri. Avijit Saha, Sr General Manager & National Business Head, ICICI Bank emphasized on the topics New Business Ecosystem, Workforce Empowerment & Behavior and Wallets & Payments. The students not only participated enthusiastically but also clarified the doubts on challenges of digitalization

Sri. Avijit Saha,National Business Head, ICICI Bank

## A talk on Industrial Automation

Engineering celebrates Departmental Day every year on 12th December in the memory of Robert Norton Noyce's on his Birthday.The Chief Guest Sri V.V.Murali Krishna, Automation Design Engineer (AGM), Steel plant, Visakhapatnam graced the event. On this occasion, Sri V.V. Murali Krishna lectured on the topic Industrial Automation- Applications in Electronics

Sri. V.V. Murali Krishna, AGM, Vizag Steel Plant

## Lecture on Skill Development

Sri A. Narayana Swamy, Senior Manager, Krishnapatnam Port Pvt Ltd, Sri Niranjan Prabhu, Academy Principal, Port Trust Skill, delivered lecture on various Skill Programs and the benefits of acquiring Skills in getting various placements, on 18th Mar 2019 in Seminar Hall-1 (AC). They have insisted that skill development alone will ensure placements to the students in the current scenario. Placement Officer Dr. Om Namasivaya thanked the speakers for enlightening the students.

Sri. A. Narayana Swamy, Sr. Manager Krishnapatnam Port

## Motivational session by Mr Satish Valiveti

It was organized by the DIET on 27th Jun  18 for all the fresh inducts of Engineering & Diploma. Mr Satish Valiveti, CEO, Advanced Minds, Visakhapatnam gave live interactive session which aroused the spirits of self-confidence and belief in the minds of the students

## VOTE OUR WEAPON (VOW)

On 25th January,2019 NSS unit organized voter enrollment program as part of National Voters day. It was a huge success as nearly 450 plus students who attained 18 years of age have enrolled as voters. Chairman Sri Dadi Ratnakar has referred Vote as a weapon and asked students to utilize it in the right manner to elect peoples representatives.

## SWACHH BHARAT

To maintain cleanliness and piousness of the living environment, The Department of CIVIL Engineering, took initiation to clean Sir Mokshagundam CIV Block on 17th Jul 2018 in the Campus. Prof Dr Ch.S. Naga Prasad, Principal, Prof. Dr. K. Hari Krishna, HoD, CIV, Mr. P.V. Murali, NSS Officer, staff and students took part in the programme.

## HEALTH AWARENESS CAMPAIGN

NSS UNIT on 8th September, 2018 organized a Health Awareness session on Cardio Vascular diseases by inviting Sr. Consultant Interventional Cardiologist, Apollo Hospitals, Visakhapatnam. Dr. D.K. Barauh threw light on various issues like Cardio Vascular System, significance of diet, importance of exercise to lead a healthy living.

Dr. D.K. Barauh addressing students 000

## HUMAN RIGHTS DAY

NSS Unit organized Human rights awareness session by inviting an eminent academician, scholar and social activist Sri Naga Trinadh Burra. He informed the need of protecting ones rights and emphasized that Human rights declaration establishes the equal dignity and worth of every person. Principal Dr. Ch.S.Naga Prasad, Vice Principal, all the Heads of the Departments, Faculty members, and students of I B.Tech participated in the event.

Activist Sri Naga Trinadh Burra addressing students

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# CYCLE RALLY IN SUPPORT TO APSPF INTIATIVE

DIET NSS UNIT invited the APSPF (Andhra Pradesh Special Protection Force) team on 4th Jan 2019 to the Campus as a part of campaigning the message - "To build Non-Polluted Environment for the Next Generation"Sri B.K.S. Raju, Incharge Commandent, APSPF, Sri B.V. Rami Reddy, D.I.G., Sri K. Sudhakara Rao, D.S.P., Sri V. Ramu, C.I., Sri Mahesh, S.I., Sri Ram Prakasa Rao, S.I., and APSPF Staff attended the Meeting on 4th Jan 2019 at the Open Dias, DIET Grounds. Sri Dadi Ratnakar, Hon'ble Chairman, participated in the Cycle Rally to support the Initiative of APSPF. Prof. Dr. Ch.S. Naga Prasad, Principal, Prof. Dr. K.S. Eswara Rao, Vice Principal, HoDs, Staff and Students participated in the Cycle Rally from DIET to Koppaka.

## WORLD CANCER AWARNESS PROGRAM

The NSS Unit of the college conducted an awareness program on World Cancer Day- 4th February, 2019 in Seminar Hall I (A.C). The Chief Guest, Rtn. Dr. K.Rammohan Rao Spoke about Cancer and its types. At the end of the program, NSS Volunteers distributed pamphlets on diet to be taken to be healthy.

Dr. K.Rammohan Rao speaking with students about Cancer and its type

## ROAD SAFETY AWARNESS programme

NSS unit of the College celebrated 30th Road Safety Awareness Day program on February 5th 2019 to show a SAFE WAY to our society. The Chief Guest Sri R. Ch. Srinivas Rao In charge RTO shared his experiences about road accidents. He appreciated the students for their active participation. Motor Vechilcle Inspectors Sri M. Vengopal, Mrs. Usha also participated.

Police officials interacting with students

## APSPF environmental awareness programme -2019

The NSS Unit of DIET organized an interactive session on 22nd February 2019 at Seminar Hall I (A.C). The Chief Guest Sri M. PRATAP, Director General of APSPF emphasized on environmental protection. Further, he also threw light on importance of Physical Fitness, Pollution control measures etc. He applauded the students and staff for participating in the Cycle Rally.

Additional DGP interacting with students

## Women Health Awareness Programme

Women Empowerment Cell of the college organized Women Health Awareness Programme on 11th Dec 2018 . Dr. Sailaja, Gynecologist, Govt Hospital, Vizag, was the Chief Guest of the event. She created awareness for all the women faculty members and girl students to protect their health and immunity. During the session she explained the importance of personal hygiene. Further, emphasized the need of taking good food to maintain good health. The event was coordinated by Mrs. G.Sujatha, Convener DIET ICC

Dr. Sailaja, Gynecologist, Govt Hospital, Vizag

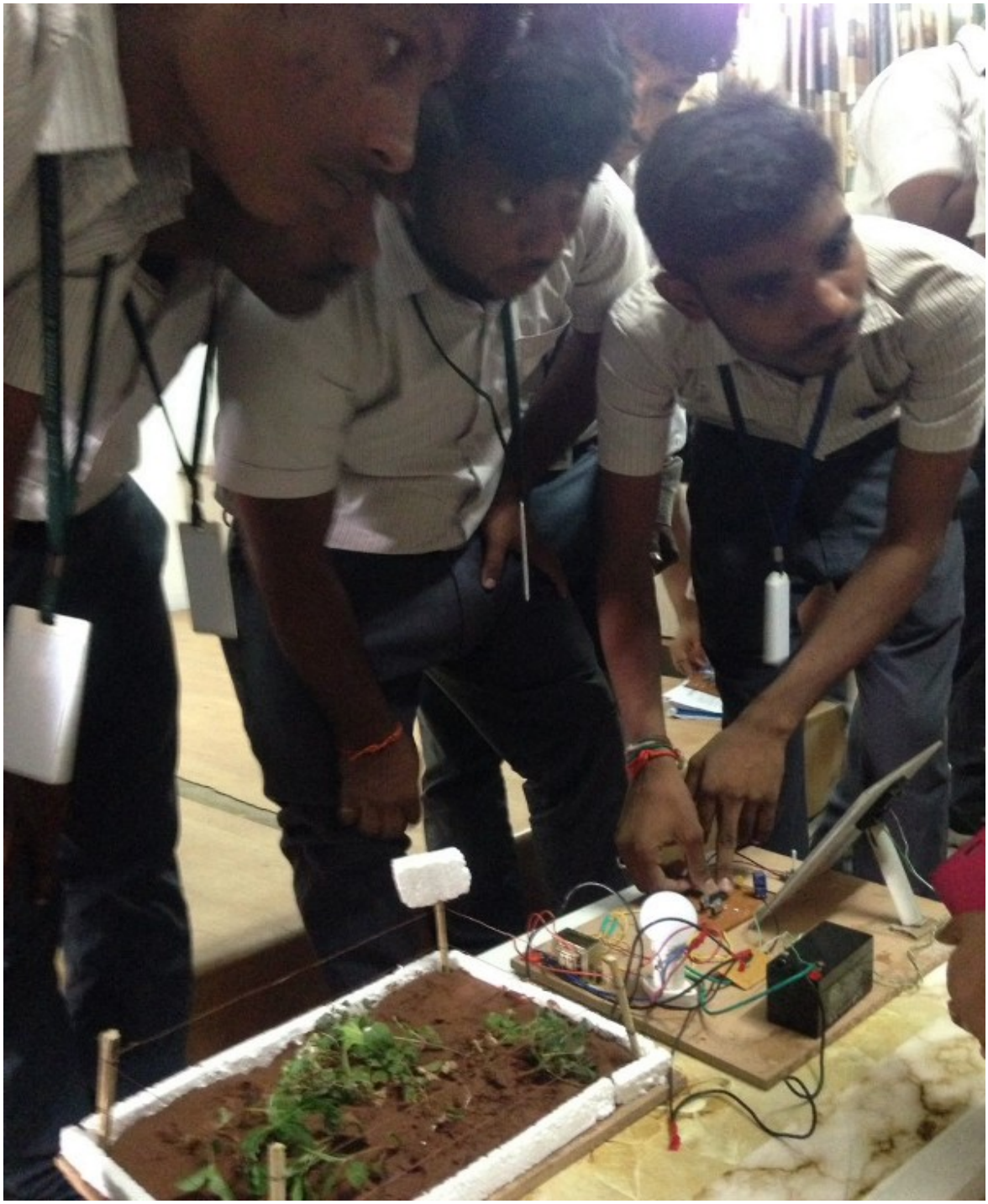
## Participative learning: Student seminar

Student’s technical and presentational skills are assessed by faculty

Participative learning: Student seminar

Student seminar in classroom

Experiential learning through execution of project



Experiential learning through execution of project

## Participative learning : Student seminar

Student seminar conducted by Mr.K.Vijay Kumar

## Role play : student interviews

## Student group discussions

## Student peer discussions

## Student peer discussions

Student peer learning sessions conducted by Mr.Ramesh  babu

## ROLE PLAY:  STUDENT TECHNICAL INTERVIEWS

ROLE PLAY:  STUDENT TECHNICAL INTERVIEWS

MBA STUDENTS BUSINESS ACTIVITY

PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE - 531 002

# 2017 – 18

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## Best Practices – Teaching & Learning

Dadi Institute of Engineering and Technology with the effective functioning of all the faculty members have always tried to impart innovative teaching methodologies to ensure that students are always given an opportunity to learn the technical, cognitive and employability skills at every stage of their Engineering course through Innovative Classroom Teaching [ICT] techniques.

Here, students are made in to groups and the batch wise presentations are conducted on a regular basis to all the students of Final year and Third year apart from the commonly implemented methods like Experienced Learning sessions conducted in Laboratories, Participative Teaching done through students, flip classroom concept where faculty will listen to students and then emphasize on the concept much deeper, Article reading by students on the concepts dealt in classroom previously, conducting seminars, Newspaper readings, repeating difficult topics by topper students, field visits, Industrial visits, pictorial demonstration and many more activities.

It was a clear observation that more the number of sessions conducted with the above-mentioned concepts, better were the results obtained every semester.

Some of the glimpses of these strategies employed by the institute are shared in this document:

## Participatory & Experiential learning in Teaching and Evaluation methods

In this academic year, The Department show case continuous efforts to explore the hidden skills under experiential & Participatory Learning in conduction of guest lecture on recent trends by prof Sastry vedula and other faculty who contributed the best towards society in this digital era.

On Dec 14-16,2017 workshop conducted on PLC basics that which explores the extension studies in subjects DCS & control Systems. Apart From Regular academics these guest lectures and workshops made the students nearer to real technical world.

**Prof. Vedula Sastry delivering his lecture**

In this academic year ECE department focused on overall development of students by ensuring the participation of students in Industrial Visits Technical events, Motivational session etc.

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## AWARENESS SESSION

An interactive session with Dr**. N. Jaya Prakash Narayana**, Founder - Lok Satta, Founder & General Secretary - Foundation for Democratic Reforms, is organized on 18th Sep 2017, Monday, at Open Air Dias, DIET Grounds, during 3:30 PM to 5:30 PM, with all B.Tech. Dr. N. Jaya Prakash Narayana, inaugurated the Session with a meeting with all Students and Staff Members by discussing regarding the Roles of the Government and Provisions to be provided to the People by the Government. He informed to all Youth to join in Youth for Better India and all Citizens to join in Citizens for Better India Forums to build a Nation for the People. He also discussed about the Democratic Reforms to be made by the Government.

Interactive session with Jaya Prakash Nararyana garu

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Students interacting with Dr. N. Jaya Prakash Narayana

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## INDUSTRIAL VISIT TO HINDUSTAN PETROLEUM CORPORATION LIMITED

The students of IV ECE (44 students) with two faculty members Mr. K.Joginaidu& Mr. P. Ram Prasad went on an industrial visit to the HPCL on 06-09-2017located at PORT Area, Visakhapatnam. Mr.K.Venkatesh (Maintenance officer) RajathBharthwal( Senior safety officer). Mr.Jagadeesh (Maintenance Officer) Mr. Manikanta ( Fire Safety Officer) gave a brief introduction about the terminal operation and policies with a presentation.

Industrial Visit to HPCL

**HPCL** is a petrochemical industry i.e., broadly speaking chemical engineering industry. It has about 25% market-share in India among public-sector companies (PSUs and a strong marketing infrastructure. the Government of India owns 51.11% shares in HPCL and others are distributed amongst financial institutes, public and other investors. The company is ranked 367th on the Fortune global 500 list of the world's biggest corporations as of 2016.On 19th of July 2017, the Government of India announced the

acquisition of Hindustan Petroleum Corporation by Oil and Natural Gas Corporation.

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## ROBERT NORTON NOYCE BIRTHDAY CELEBRATIONS

The Department of Electronics & Communication Engineering celebrated the Departmental Day on 12th December 2017 to showcase the various talents of the students which includes technical activities. The various events conducted during the full span of hectic schedule include: Tech cross puzzle, technical word building, Technical quiz and gaming on circuit design.

The event was witnessed by distinguished dignitaries: Shree DADI RATNAKAR Garu. Correspondent, Chief Guest: Mr. A. Srinivasa Rao, General Manager BSNL, Dr. K. Amarendra, Vice principal, Mr. B.N. Srinivasa Rao, HOD ECE, all Faculties and Students of ECE Dept. Chief Guest of the program was Mr. A. Srinivasa Rao, General Manager, BSNL, vizag, who encouraged the students with the motivated lecture on **EVOLUTION OF TELECOMMUNICATION**.He demonstrated the global snapshot of digitalization. He discussed the importance of 5G and flow of technology from 1G to 5G . He spoke about 5G main components, wireless access transport system, cloud network applications & management and the technology beyond 2020. His main emphasis was on cases using 5G.

He discussed the challenges of 4G in the light of impending and crucial future communication needs and reviewed the lessons learnt from the perspective of implementation and systems operation. He mentioned the expansion of the current Reliance Jio network as Internet has reached to each & every citizen of India. The Jio revolution has changed the access of internet everywhere from each corner of the country. He mentioned the internet user is number 1 in India globally nowadays due to Jio. Internet is the need of the hour for everyone, may be mobile, smartphone, AI, big data. At the end of his talk, he answered and inspired some of the questions raised by the audience. At the end of the session cash prizes had been distributed to the students who got 1st and 2nd place in the various activities. Students later thanked Mr. A. Srinivasa Rao for sharing his knowledge and the faculty members for conducting this session for them.

In this academic year, most of the subjects dealt with experiential learning methods such as assignments, problem solving and PPT s apart from chalk & Talk. The department has been continuing with B-Club activities to improve the students participation actively. The department has taken initiative to enrich the teaching and learning in effective way.

Awareness sessions conducted for the faculty to upgrade their skill set in teaching methodology. Students in this institute interacts with eminent guests from the industry on a regular basis. At the university level, these guests having huge experience and unparalleled expertise come from varied industries and different countries.

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**Guest Lecture:**

**A Guest lecture on"Leadership Styles"(5th September, 2017)Organized by DEPARTMENT OF MANAGEMENT STUDIES**

| | | |
|---|---|---|
| **Resource Persons** | **:** | Prof. V. Krishna Mohan, Registrar, AU |
| **Convenor** | **:** | Dr.P.B.Ram Kumar, HOD MBA, DIET, Anakapalle. |
| **Faculty Coordinators:** | | Mr.A. Kiran Kumar, Assistant Professor, MBA Department. |
| **Student organizers :** | | Ms. BSV Phani Krishna - 16U41E0005.<br>Ms. Jyothi Kiranmay- 16U41E0010.<br>Mr. YSVS Chaitanya – 16U41E0025.<br>Ms. V. Sravani – 16U41E0029. |
| **Venue** | **:** | E-Class Room -1 |

The Department of MBA conducted a Guest Lecture on the Leadership Styles. The chief guest of the event, Prof. V. Krishna Mohan, Registrar, Andhra University emphasized on the topics New Business Eco systems Workforce Empowerment and Behavior of Industrialists. The students not only participated enthusiastically but also clarified the doubts on challenges of new leadership styles.

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**Industry Visits:**

**B.H.E.L. HPVP Unit - Manufacturer of gas fired heaters, steam condensers & heat exchanger in Visakhapatnam, Andhra Pradesh.**

"On Receiving the letter of permission from B.H.E.L. HPVP Unit.The students of II MBA (35) with one faculty member Mr .A.kirankumar went on an industrial visit to the BHEL on 07-07-2017 located at, Akkireddipalemopp, Visakha diary, Visakhapatnam. We reached the terminal by 10.30 am Mr.Venakatachellamayya(Fitter)received us and gave a brief introduction about the BHEL operations and policies with a presentation.

**HPVP** with **ISO 9001** accreditation is the leading **EPC Company** in South East Asian region serving following sectors They explained the facilities provided by BHEL in different areas such as

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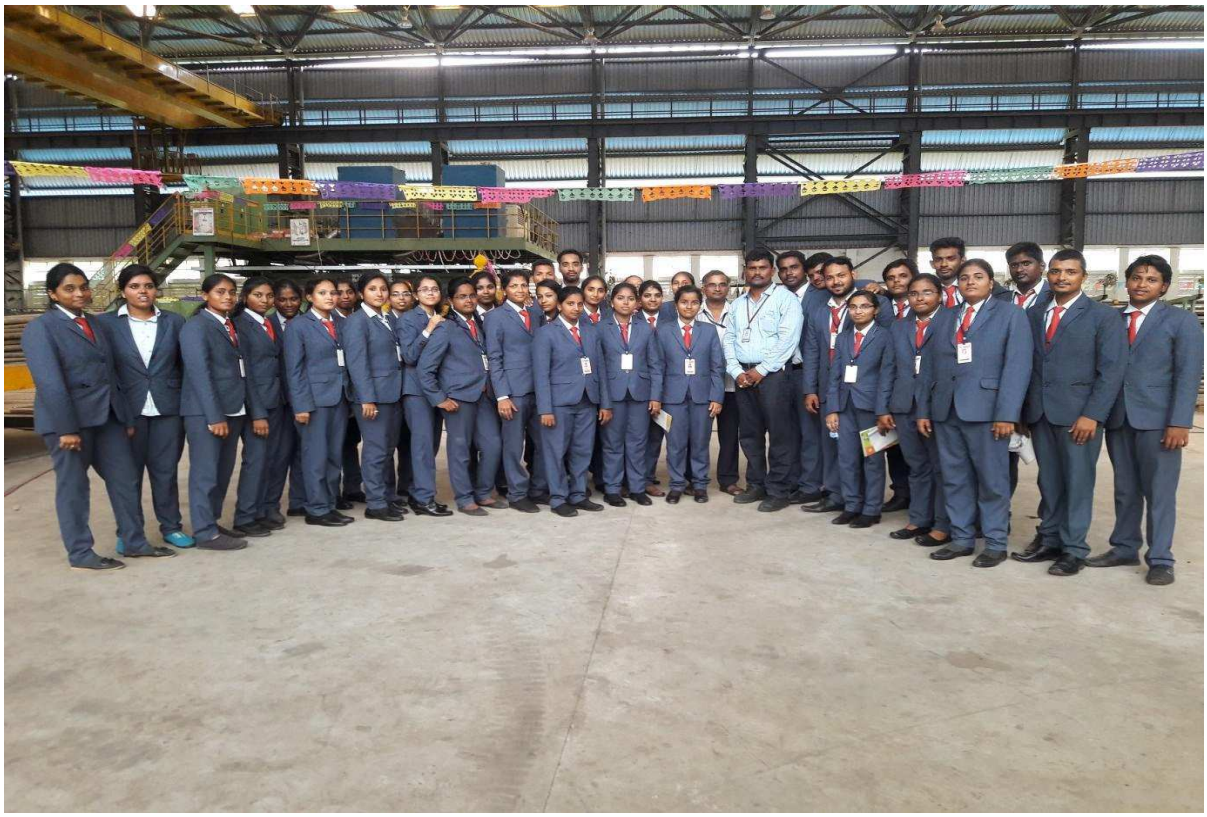

**Learning Outcomes from the visit:**

The visit generally consists of lectures about the company, the site being visited and a range of topics specific to learning outcomes.

1. Recognize the process units where respective process are carried out at departments such as R&D, Production & operation, manufacturing process, Quality..etc

2.Information regarding manufacturing of heat exchangers and Their use in various sectors .

3. Identify input and output for the Heat exchangers condensers and Heavy boiling plants..

4. Experience the importance of working safety.

6. Understand the concept of ore parts of Heat exchanging machines.

7. Understand how does the product of BHEL used in Defence, Air crafts.

8.Students get more awareness in pragmatic manner.

9.For students pursuing professional education (Marketing/Finance/Operations/Supply Chain etc.), industrial visits help them gain hands-on experience of how industry operations are executed.

10.Industry visits bridge the gap between theoretical training and practical learning in a real-life environment.

11.Industry visits provide opportunity for active/interactive learning experiences in-class as well outside the classroom environment.

12.With industry visits, students are able to better identify their prospective areas of work in the overall organizational function.

13.Industry visits help enhance interpersonal skills and communication techniques.

14.Students become more aware of industry practices and regulations during industry visits.

15.Industry visits broaden the outlook of students with exposure to different workforces from different industries.

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**Workshop:**

## A TWO DAY WORKSHOP

**ON**

Entrepreneurship Development Program

**(22&23 December, 2017)**

**Organized by**

**DEPARTMENT OF MANAGEMENT STUDIES**

**In association with**

Andhra Pradesh Productivity Council (APPC) and
National Science & Technology Entrepreneurship Development Board (NSTEDB)
Department of Science & Technology, Govt. of India, New Delhi.

| | | |
|---|---|---|
| **Resource Persons** | **:** | 1. Mr. G. Ramabhadra Rao, Senior Deputy Director – APPC<br>2. Mr. Mohan Rao Program Co-ordinator - APPC. |
| **Convenor** | **:** | Dr. Rama Kumar P.B, HOD MBA, DIET, Anakapalle. |
| **Faculty Coordinators:** | | 1. A. Kiran Kumar, Assistant Professor, MBA Department. |
| **Student organizers :** | | Ms. BVS Phani Krishna- 16U41E0005.<br>Mr. Y. Sai Chaitanya - 16U41E0025.<br>Ms. Sirisha - 16U41E0032.<br>Ms.R. Sai Laxmi - 16U41E0036.<br>Mr. Jagadesh -16U41E0028.<br>Ms.Jyothsna -16U41E0012. |
| **Venue** | **:** | Laboratory 1 and Seminar Hall - 2 , DIET . |

Entrepreneurship Development is gradually becoming very significant in various areas of economic development. Innovative start-ups and new enterprises act as a catalyst for the economy. Novel opportunities and market gaps are identified and resources are allocated to them to produce something new and useful. The need of the hour is to develop effective policies to cater to the new challenges such that the

modern day problems can be solved. The workshop focuses on the basic and advanced approaches of entrepreneurial development and how it can be imbibed to the participants.

Objectives

The course has the objective of introducing the participants with fundamental of entrepreneurship development so that they can understand the requirements and challenges in this area. The applied aspect of this workshop will be the practical sessions where they can apply this knowledge in decision making. Following are the key learning objectives of this workshop:

- To understand the concept of Entrepreneurial Development
- To understand the main components of Entrepreneurship Development;
- To understand the relationship between innovation and entrepreneurial development;
- To understanding the theories of innovation and entrepreneurial development;
- To know the various techniques of innovation and promoting entrepreneurial culture.

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## 2.3.1 : EXPERIENTIAL AND PARTICIPATORY LEARNING

### Experiential learning through Student project works

| S.No | Regd. No. | Student Name | Project Title | Guide Name |
|---|---|---|---|---|
| 1 | 15U41A006 | B Murali | Self Regulated Irrigation System Using Solar Energy | Ms. D.Poojitha<br>Asst.Prof EEE |
| | 15U45A0231 | Shaikh Ansar | | |
| | 14HN1A0213 | P.Rajee | | |
| | 15U45A0212 | D Manikanta | | |
| | 15U45A0251 | A Hari Babu | | |
| 2 | 14U41A0209 | M Indravathi | War Field Spying Robot With Night Vision Wireless Camera By Android Applications | Sri. J. Deleep Kumar<br>Asst.Prof EEE |
| | 14U41A0217 | S Sai Raghu | | |
| | 15U45A0209 | C vamsi krishna | | |
| | 14U41A0203 | E Ravi Teja | | |
| | 14U41A0207 | M. Vinod | | |
| 3 | 15U45A0244 | M Veena | Speed Control And Direction Reversal Of Dc Motor Using Microcontroller | Ms. P.Jagruthi<br>Asst.Prof EEE |
| | 15U45A0205 | A Naganna | | |
| | 15U45A0226 | N surya Kumar Yadav | | |
| | 14U41A0201 | A Sri hari | | |
| | 15U45A0204 | A Narendra | | |
| 4 | 15U45A0232 | S Anusha | Performance Optimization Of A Photovoltaic Induction Motor Pumping System | Sri. G. Jagadeesh<br>Asst.Prof EEE |
| | 14U41A0212 | S Dhati Divya Sri | | |
| | 15U45A0238 | V Krishna | | |
| | 14U41A0218 | U Lakshman | | |
| | 15U45A0246 | R Surya Narayana | | |
| 5 | 15U45A0237 | V Naga Bhaskar | Minimising Penality In Industrial | Sri Ch.Ravi Kumar |
| | 15U45A0241 | I Nageswar Rao | | |

| | | | | |
|---|---|---|---|---|
| | 14U41A0211 | P Likhitha | Power Consumption By Engaging Apfc Unit | Asst.Prof EEE |
| | 14U41A0206 | K V S B Akhil | | |
| | 15U45A0240 | D J Brahmaya | | |
| 6 | 15U45A0218 | K S Raj Kumar | Arduino Based Underground Cable Fault Detection | Sri. K.Vijay Kumar Assoc. Prof EEE |
| | 15U45A0250 | S Satya Sai | | |
| | 15U45A0225 | M Venkatesh | | |
| | 15U45A0236 | V S S V Ramadevi | | |
| | 15U45A0248 | M Srinu | | |
| 7 | 15U45A0217 | K Aneesha | Implementation Of Vsi Fed Ac Motor Drive By Using Matlab Simulink And Arduino | Sri. M.Rajendra Prasad Asst. Prof EEE |
| | 15U45A0221 | M kiran Kumar Reddy | | |
| | 15U45A0223 | M Sowjanya | | |
| | 15U45A0227 | N Lakshman rao | | |
| | 15U45A0219 | K Raj Kumar | | |
| 8 | 15U45A0234 | U Nanji | Smart Energy Meters Using Gsm & Voice Assistance | Sri. A. Krishna Nag Asst. Prof EEE |
| | 15U45A0229 | P K Vinay Kumar | | |
| | 15U45A0228 | P Prameela devi | | |
| | 15U45A0220 | L Jai Ram | | |
| | 15U45A0252 | M Nanji | | |
| 9 | 15U45A0214 | G Ooha | Transformer protection using microcontroller based relay | Smt. A. Lakshmi Durga Asst. Prof EEE |
| | 15U45A0210 | C V S Anirudh | | |
| | 15U45A0213 | E R Krishna | | |
| | 15U45A0203 | A Jitendra Prasad | | |
| | 15U45A0201 | A Trinadh | | |
| 10 | 14U41A0204 | G Rama Krishna | Optimal Placement And Sizing Of FACTS Devices In Transmission System To Increase The Power Transfer Capability | Prof. R.V.S. Lakshmi Kumar Prof EEE |
| | 14U41A0213 | S Nishant | | |
| | 15U45A0216 | J Ch V Kamaraju | | |
| | 15U45A0211 | D L V Sai Kiran | | |
| | 14U41A0214 | S Venkat satish | | |

| | | | | |
|---|---|---|---|---|
| 11 | 15U45A0202 | A Hanumanth | PWM Based Three Phase Induction Motor Drive Control Using ARDUINO | Sri. D.R.C.H. Nookesh<br>Asst. Prof EEE |
| | 15U45A0215 | Harikrishna K | | |
| | 15U45A0207 | B Bhargav | | |
| | 15U45A0243 | M Ravi | | |
| | 15U45A0242 | K Santosh Kumar | | |
| | 14U41A0215 | S Uday Kumar | | |
| 12 | 15U45A0235 | U Madhavi | Optimal Placement Of Dg In Radial Distribution System Using VSI | Sri. M. RajaRao<br>Asst. Prof EEE |
| | 15U45A0230 | P Tulasi rao | | |
| | 15U45A0222 | M M Satyanarayana | | |
| | 15U45A0224 | M Tarun | | |
| | 14U41A0205 | G Manoj Kumar | | |
| | 15U45A0208 | B Jaswanth Kumar | | |

Project output verification of IV B tech students of EEE dept

# PERFORMANCE ANALYSIS OF IMAGE DENOISING USING WAVELET TRANSFORM AND THRESHOLDING TECHNIQUES

A Project Report submitted in partial fulfillment of the requirements
For the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by

| | |
|---|---|
| S.BABY | (15U45A0415) |
| D.BHAVYA | (14U41A0407) |
| K.LAVANYA | (15U45A0405) |
| K.RAMALAKSHMI | (15U45A0406) |
| K.KRANTHI KUMAR | (14U41A0411) |

Under the Esteemed Guidance of

B.T.ARCHANA (ASST.PROF)
Department of Electronics and Communication Engineering

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**Department of Electronics and Communication Engineering**

## CERTIFICATE

This is to certify that project entitled '**PERFORMANCE ANALYSIS OF IMAGE DENOISING USING WAVELET TRANSFORM AND THRESHOLDING TECHNOLOGY**'', being submitted by **S.BABY, D.BHAVYA, K.LAVANYA, K.RAMALAKSHMI, K.KRANTHI KUMAR** bearing **Roll No: 15U45A0415, 14U41A0407, 15U45A0405, 15U45A0406, 14U41A0411** in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under my guidance and supervision.The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**PROJECT SUPERVISOR**
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**DIET, Anakapalle**

**EXTERNAL EXAMINER**

# DESIGN OF COMPACT CIRCULARLY POLARIZED CROSS-SHAPED SLOTTED MICROSTRIP ANTENNA

A Project Report submitted in partial fulfillment of the requirements
For the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATIONENGINEERING**


Submitted by

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14U41A0409 J.BHARAT NARAYANA
14U41A0413 M.SAI RAM
15U45A0420 A.CHANDRA RAMU
15U45A0421 B.MANJULA

Under the Esteemed Guidance of

**Mrs. P.POORNA PRIYA, M.Tech,(Ph.D)**
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**Department of Electronics and Communication Engineering**

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**Department of Electronics and Communication Engineering**

## CERTIFICATE

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The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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**EXTERNAL EXAMINER**

# IMPLEMENTATION OF BASIC GATES USING MODIFIED CPTL & APPLICATIONS

A Project Report submitted in partial fulfillment of the requirements
For the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**


Submitted by

(N.Divya) 14U41A0419

(K.Tirumala) 14U41A0410

(M.Hima Bindu) 14U41A0414

(S.Naveen Varma) 15U45A0412

Under the Esteemed Guidance of

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**Department of Electronics and Communication Engineering**

## CERTIFICATE

This is to certify that project entitled **"IMPLEMENTATION OF BASIC GATES USING MODIFIED CPTL & APPLICATIONS"**, being submitted by **N.DIVYA, K.TIRUMALA, M.HIMABINDU, S.NAVEEN VARMA** bearing **Roll No's: 14U41A0419, 14U41A0410, 14U41A0414, 15U45A0412** in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **ECE** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by them under my guidance and supervision. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**PROJECT SUPERVISOR**
4/4/18

**Mr. B.N. Srinivasa Rao M.Tech,(Ph.D)**
**Sr.Assistant Professor & HOD,**
**Dept. of ECE.,**
**DIET, Anakapalle**

**HEAD OF THE DEPARTMENT**
4/4/18

Head of the Department
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B. Naleny.
**EXTERNAL EXAMINER**

# DESIGN OF A NEW LOW POWER PULSE-TRIGGERED FLIP-FLOP BASED ON SIGNAL FEED-THROUGH

A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATIONENGINEERING**


Submitted by

| | |
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| U S L SUMA | (14U41A0424) |
| S SRAVANI | (15U45A0414) |
| K GIRISHA | (14U41A0412) |
| R SHIVAJI | (15U45A0411) |

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## Department of Electronics and Communication Engineering

# CERTIFICATE

This is to certify that project entitled **"DESIGN OF A NEW LOW POWER PULSE-TRIGGERED FLIP-FLOP BASED ON SIGNAL FEED-THROUGH"**, being submitted by **U S L SUMA, S SRAVANI, K GIRISHA, R SHIVAJI** bearing **Roll No. 14U41A0424, 15U45A0414, 14U41A0412, 15U45A0411** in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** to the Jawaharlal Nehru Technological University Kakinada is a record of bonfire work carried out by him under my guidance and supervision. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

4/4/18

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B. Neelima

**EXTERNAL EXAMINER**

# Comparative Analysis of Multi Element Patch Array Antenna

A Project Report submitted in partial fulfillment of the requirements
for the award of the Degree of

## BACHELOR OF TECHNOLOGY

## IN

## ELECTRONICS AND COMMUNICATION ENGINEERING


Submitted by

15U45A0419 K.P. CHANDRA SEKHAR
14U41A0403 B. SANTHI
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15U45A0408 M. JHANSI RANI
14U41A0425 P. GANESH

Under the Esteemed Guidance of

**Mr. P. Ram Prasad**
ASSISTANT PROFESSOR..
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This is to certify that project entitled **"COMPARATIVE ANALYSIS OF MULTI ELEMENT PATCH ARRAY ANTENNA"**, being submitted by **K.P. CHANDRA SEKHAR, B.SANTHI, U. JAYA, M. JHANSI, P. GANESH** bearing **Roll No: 15U45A0419, 14U41A0403, 15U45A0417, 15U45A0408, 14U41A0425** in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **ECE** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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**Mr. B.N. Srinivasa Rao**
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**EXTERNAL EXAMINER**

# DESIGN OF A NEW LOW POWER AND AREA EFFICIENT HARDENED FLIP-FLOP BASED ON DYNAMIC LOGIC

A Project Report submitted in partial fulfillment of the requirements
for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Submitted by


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| R.Prasanna laxmi | 15U45A0410 |
| B.Sai deepthi | 15U45A0402 |
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Under the Esteemed Guidance of

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## Department of Electronics and Communication Engineering

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This is to certify that project entitled **"DESIGN OF A NEW LOW POWER AND AREA EFFICIENT ERROR HARDENED FLIP-FLOP BASED ON DYNAMIC LOGIC"**, being submitted by **R PRASANNALAXMI, B SAI DEEPTHI, B RAJA PHANINDRA,M TARUNKUMAR, N P C VARMA** bearing **Roll No's: 15U45A0410, 15U45A0402, 15U45A0401, 14U41A0415, 14U41A0416** in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **ECE** to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under my guidance and supervision.

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**EXTERNAL EXAMINER**

# DESIGN OF NEW DUAL EDGE TRIGGERED SENSE-AMPLIFIER FLIP-FLOP WITH LOW AREA AND POWER EFFICIENT

A Project Report submitted in partial fulfillment of the requirements
for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

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**EXTERNAL EXAMINER**

# REDUCTION OF PAPR IN THE MIMO-OFDMA TRANSMISSION SYSTEMS

A Project Report submitted in partial fulfillment of the requirements
for the award of the Degree of

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**EXTERNAL EXAMINER**

# SMART BUS TRANSPORTATION SYSTEM

A Project Report submitted in partial fulfillment of the requirements
for the award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRONICS AND COMMUNICATION ENGINEERING**


Submitted by

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This is to certify that the project work entitled **"SMART BUS TRANSPORTATION SYSTEM"** being submitted by B LAVANYA (14U41A0402), D PAVAN KUMAR (14U41A0406), A KANNA BABU (15U45A0423), I RAMYA (14U41A0408), CH NARESH (15U45A0403) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Electronics and Communication Engineering, to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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**EXTERNAL EXAMINER**



**EEE department project details**

# Microcontroller based load shedding using GSM (Global System for mobile Communication)

*A Main Project Report Submitted in partial fulfilment of the requirement for the award of the degree*

BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERIG

*Submitted by*


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DEPARTMENT OF

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## CERTIFICATE

This is certify that the dissertation work entitled " MICROCONTROLLER BASED LOAD SHEDDING USING GSM" is the bonified record submitted by the students of 4th B.Tech

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# CHILD OR WOMEN TRACKING & SECURITY SYSTEM BY USING GSM

*Mini Project Report Submitted in partial fulfillment of the requirement for the award of the degree*

BACHELOR OF TECHNOLOGY IN

ELECTRICAL AND ELECTRONICS ENGINEERING


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**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

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This is to certify that the project work entitled is the **CHILD OR WOMEN TRACKING & SECURITY SYSTEM BY USING GSM** bonafide work by

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# IMPROVEMENT OF VOLTAGE PROFILE IN RADIAL DISTRIBUTION SYSTEM USING CLUSTERING ANALYSIS WITH DG

*Project Report Submitted in partial fulfilment of the requirement for the award of the degree.*

## BACHELOR OF TECHNOLOGY
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2014-2018

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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This is to certify that the project work entitled **IMPROVEMENT OF VOLTAGE PROFILE IN RADIAL DISTRIBUTION SYSTEM USING CLUSTERING ANALYSIS WITH DG** is the bonafide work by

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# DYNAMIC MODELLING AND PERFORMANCE ENHANCEMENT OF INDUCTION MOTOR BY INDIRECT VECTOR CONTROL USING MATLAB SIMULINK

*A Main Project Report Submitted in partial fulfillment of the requirement for the award of the degree*

BACHELOR OF TECHNOLOGY
IN
ELECTRICAL AND ELECTRONICS ENGINEERING

*Submitted by*


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# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT
OF
ELECTRICAL AND ELECTRONICS ENGINEERING

## CERTIFICATE

This is certify that the dissertation work entitled " DYNAMIC MODELLING AND PERORMANCE ENHANCEMENT OF INDUCTION MOTOR BY INDIRECT VECTOR CONTROL USING MATLAB SIMULINK " is the bonifiedrecord submitted by the students of 4"B.Tech

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# OPTIMAL PLACEMENT AND SIZING OF SVC AND TCSC IN TRANSMISSION SYSTEM TO IMPROVE THE POWER TRANSFER CAPABILITY

*Main Project Report Submitted in partial fulfilment of the requirement for the award of the degree*

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

*Submitted by*


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in partial fulfilment of the curriculum of 4th Year 2nd Semester **ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2017-2018.

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M.Tech (Ph.D)

# PROTECTION OF TRANSFORMER FROM OVERLOADING USING MICROCONTRLLER BASED RELAY

*Mini Project Report Submitted in partial fulfillment of the requirement for the award of the degree*

**BACHELOR OF TECHNOLOGY**
**IN**
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Submitted by

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2014-2018

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

## CERTIFICATE

*This is to certify that the project work entitled* **"PROTECTION OF TRANSFORMER FROM OVERLOADING USING MICROCONTROLLER BASED RELAY"** *is the bonafide work by*

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In partial fulfilment of the curriculum of 4th year 2nd semester **ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year 2017-2018.

INTERNAL GUIDE
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Assistant Professor, Dept. of EEE

3/4/18
HEAD OF THE DEPARTMENTEEE
**PROF.R.V.S LAKSHMI KUMARI**
M.Tech (Ph.d)

# WAR FIELD SPYING ROBOT USING ANDROID

*A Main Project Report Submitted in partial fulfillment of the requirement for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL & ELECTRONICS ENGINEERING**


**Submitted by**

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S.SAI RAGHU (14U41A0217)

CH.VAMSI KRISHNA (15U45A0289)

E.RAVI TEJA (14U41A0203)

M.VINOD KUMAR (14U41A0207)

**Under the Esteemed Guidance of**

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**Department of Electrical & Electronics Engineering**

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# BLUETOOTH BASED SPEED AND DIRECTION CONTROL OF DC MOTOR USING ARDUINO

*A Project Report submitted in partial fulfillment of the requirements*
*For the award of the Degree of*

## BACHELOR OF TECHNOLOGY
## IN
## ELECTRICAL AND ELECTRONICS ENGINEERING


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INTERNAL GUIDE

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**M.Tech.(Ph.D)**

# DESIGN OF REAL TIME POWER FACTOR CORRECTION WITH LOAD BALANCING TECHNIQUE USING CURRENT SENSOR

*A Project Report Submitted in partial fulfillment of the requirement for the award of the degree*

BACHELOR OF TECHNOLOGY

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# SMART ENERGY METER WITH VOICE ASSISTANT AND SMS ALERT BY USING GSM MODULE

Project Report Submitted in partial fulfillment of the requirement for the award of the degree

**BACHELOR OF TECHNOLOGY**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**Submitted by**


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## CERTIFICATE

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Project Guide
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Prof. R.V.S Lakshmi Kumari
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# PFC OF BLDC MOTOR DRIVE USING BRIDGE LESS LUO-CONVERTER AND CUK CONVERTER

A

Main Project

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

Of

BACHELOR OF TECHNOLOGY

Submitted by


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# CSE DEPARTMENT PROJECT DETAILS 2017-18

## DATAANALYSIS USING HADOOP AND HIVE

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
**COMPUTER SCIENCE AND ENGINEERING**

*Submitted by*


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**INTERNAL GUIDE**

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Computer Science and Engg
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**EXTERNAL EXAMINER**

# ONLINE COMPLAINT REGISTRATION SYSTEM

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
**COMPUTER SCIENCE AND ENGINEERING**

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**INTERNAL GUIDE**

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**EXTERNAL EXAMINER**

# EFFICIENT MININGOF FREQUENT ITEMSETS IN SOCIAL NETWORK DATA BASED ON MAPREDUCE

17

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
**COMPUTER SCIENCE AND ENGINEERING**


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PROJECT GUIDE

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EXTERNAL EXAMINER

# OVERFLOW: BIGDATA MANAGEMENT FORSCIENTIFIC WORKFLOWS ON CLOUD

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
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**EXTERNAL EXAMINER**

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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PROJECT GUIDE

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EXTERNAL EXAMINER

# DATAANALYSIS USING HADOOP AND HIVE

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
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**INTERNAL GUIDE**

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**EXTERNAL EXAMINER**

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**BACHELOR OF TECHNOLOGY**
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Under the Esteemed Guidance of

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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This is to certify that the Project work entitled **"EFFICIENT MININGOF FREQUENT ITEMSETS IN SOCIAL NETWORK DATA BASED ON MAP-REDUCE"** is a bonafied work done by **G Sai Sravya (14U41A0516), K Lavanya (14U41A0519), K Sailaja Rani (14U41A0522), P Moha Swetha (14U41A0533), S Sharmila (14U41A0541)** in partial fulfillment of the curriculum of Bachelor of Technology in Computer Science &Engineering during the academic year 2017-18.

PROJECT GUIDE

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EXTERNAL EXAMINER

# OVERFLOW: BIGDATA MANAGEMENT FORSCIENTIFIC WORKFLOWS ON CLOUD

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
**COMPUTER SCIENCE AND ENGINEERING**

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*Submitted by*


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This is to certify that the Project work entitled **"OVERFLOW: BIGDATA MANAGEMENT FOR SCIENTIFIC WORKFLOWS ON CLOUD"** is a bonafide record done by **B RAGHA PRIYA(14U41A0506), K SAI PRASANNA (14U41A0525),M SRUTHA KEERTHI(14U41A0530), P CHETHAN LOKESH (14U41A0534), V VASAVI(14U41A0545)** in partial fulfillment of the curriculum of B.Tech IV Year II Semester in **Computer Science & Engineering** during the academic year 2017-18.

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**EXTERNAL EXAMINER**

# INTERNET OF THINGS BASED HOME AUTOMATION

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
**COMPUTER SCIENCE AND ENGINEERING**


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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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EXTERNAL EXAMINER

# DATAANALYSIS USING HADOOP AND HIVE

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
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**EXTERNAL EXAMINER**

# ONLINE COMPLAINT REGISTRATION SYSTEM

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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**EXTERNAL EXAMINER**

# OVERFLOW: BIGDATA MANAGEMENT FORSCIENTIFIC WORKFLOWS ON CLOUD

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

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**EXTERNAL EXAMINER**

# INTERNET OF THINGS BASED HOME AUTOMATION

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EXTERNAL EXAMINER

# EDGE DETECTION BY USING MULTIPLE FILTERS

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
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EXTERNAL EXAMINER

EMENT ON PARALLEL ALGORITHM FOR SOLVING LARGE SYSTEM OF SIMULTANEOUS LINEAR EQUATIONS

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
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PROJECT GUIDE

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EXTERNAL EXAMINER

# COMPUTERIZED EMPLOYEE RECRUITMENT, PERFORMANCE EVALUATION AND TURNOVER PREDICTION USING DATAMINING TECHNIQUES

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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# CONTENT BASED IMAGE MINING

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
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**EXTERNAL EXAMINER**

# CLOUD DATA SECURITY USING THIRD PARTY AUDITING AND ENCRYPTION

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

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Email: info@diet.edu.in, Website- www.diet.edu.in

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE

This is to certify that the Project work entitled " **CLOUD DATA SECURITY USING THIRD PARTY AUDITING AND ENCRYPTION**" is a bonafide work done by **L.V.L.Rekha** (Regd.No:**14U41A0527**), **N.Divyarani** (Regd.No:**14U41A0532**), **M.R.M.Naresh** (Regd.No:**14U41A0528**), **K.Koteshwar** (Regd.No:**14U41A0520**), **G.L.Prasanna** (Regd.No:**15U45A0503**) in partial fulfillment of the curriculum of **Bachelor of Technology in Computer Science & Engineering** during the academic year 2017-18.

PROJECT SUPERVISOR

HEAD OF THE DEPARTMENT

Head of the Department
Computer Science and Engg
Dadi Institute of Engg. & Tech
Anakapalle - 531 002

EXTERNAL EXAMINER

# CIVIL DEPARTMENT PROJECT DETAILS 2017-18

A Project Report

On

TABILIZATION OF BLACK COTTON SOILS BY USING INDUSTRIAL WASTES

Submitted to JNTU-KAKINADA for fulfilment of award of

DEGREE OF BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

BY


K.Lokesh (15U45A0112)
R.Ganesh (15U45A0115)
B.L.Prasad (13U41A0104)

D.Yeswanth (15U45A0125)
K.Shanmukha Sai (15U45A0111)


UNDER THE ESTEEMED GUIDANCE OF

Miss. S.D.R.L. Pavani

Assistant Professor


DEPARTMENT OF CIVIL ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU, Kakinada, Approved by AICTE, NEW DELHI)

**NAAC Accredited Institute**

NH-5, ANAKAPALLE-53100

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CIVI ENGINEERING

## CERTIFICATE

This is to certify that the project work entitled "STABILIZATION OF BLACK COTTON SOIL BY USING INDUSTRIAL WASTES" that is being submitted by for the fulfilment of the degree of **K.LOKESH (15U45A0112), D.YASWANTH(15U45A0125), R.GANESH(15U45A0115), K.SHANMUKHA SAI(15U45A0111), B.L.PRASAD(13U41A0104)** bachelor of technology in Civil Engineering to Jawaharlal Nehru Technological University- Kakinada is a record of bonafied work carried out by them under my guidance and supervision

3/4/2018

Miss. S.D.R.L. Pavani,
Assistant Professor,
Civil Engineering,

Project Guide.

**Dr.K.Hari Krishna, Ph.D.**
H.O.D. CIVIL ENGINEERING,
DIET.

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001.

External Examiner

**A project Report on**

# AN EXPERIMENTAL INVESTIGATION IS ON PARTIAL REPLACEMENT OF CEMENT WITH GGBS, FINE AGGREGATE WITH GRANITE POWDER AND COARSE AGGREGATE WITH CERAMIC TILE PIECES

Submitted to "JNTU-KAKINADA"FOR FULFILMENT OF AWARD OF DEGREE OF

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

Submitted by


| | |
|---|---|
| **B. KOMALA** | **(15U45A0122)** |
| **A.VINEETHA** | **(14U41A0101)** |
| **S.MANOJ** | **(15U45A0116)** |
| **K. SIVA RAM** | **(14U41A0106)** |
| **M.MOHAN** | **(15U45A0113)** |


Under the Esteemed Guidance of

**Miss. J.B.S.BHARATHI** M.Tech

Assistant professor

DEPARTMENT OF CIVIL ENGINEERING

**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

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

**NAAC accredited Institution**

**NH -5, ANAKAPALLE – 531 002, Visakhapatnam, A.P.www.diet.edu.in**


**(2014 – 2018)**

# DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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NAAC accredited Institution
NH -5, ANAKAPALLE – 531 002, Visakhapatnam, A.P.www.diet.edu.in
(2014 – 2018)

## CERTIFICATE

This is to certify that the Project Work entitled " **AN EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF CEMENT WITH GGBS, FINE AGGREGATE WITH GRANITE POWDER AND COARSE AGGREGATE WITH CERAMIC TILE PIECES**" That is being submitted by **B. KOMALA (15U45A0122), A.VINEETHA (14U41A0101), S.MANOJ (15U45A0116), K. SIVA RAM (14U41A0106) , M.MOHAN (15U45A0113)** for the fulfillment of the degree of bachelor of technology in CIVIL ENGINEERING to Jawaharlal Nehru Technological University – Kakinada is a record of bonafide work carried out by him under my guidance and supervision.

**PROJECT GUIDE**

MS.J.B.S.BHARATHI

**HEAD OF THE DEPARTMENT**

DR. K. HARI KRISHNA

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001.

**EXTERNAL EXAMINER**

A Project Report

on

# PERFORMANCE EVALUTION FOR STRENGTH OF M40 DESIGN MIX CONCRETE WITH PARTIAL REPLACEMENT OFCONVENTIONAL INGREDIENTS IN CEMENT AND FINE AGGREGATE

SUBMITTED TO "JNTU KAKINADA" FOR FULFILMENT OF AWARD Of

DEGREE OF
BACHELOROFTECHNOLOGY
IN
CIVIL ENGINEERING

BY


| | |
|---|---|
| S.SATEESH | (15U45A0117) |
| L.SANTHOSHIKUMARI | (15U45A0126) |
| N.R.AVINASH | (14U41A0108) |
| B.SRIHARI | (14U41A0102) |
| I.ANUSHA | (15U45A0127) |
| CH.SUNIL KUMAR | (13U41A0106) |


UNDER THE ESTEEMED GUIDANCE OF


Miss.V.ALIVELU MANGAMMA M-tech
Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

DADI INSTITUTE OF ENGNEERING AND TECHNOLOGY
(Approved by AICTE,NAAC and affiliated to JNTUK, Kakinada, A.P)

An ISO 9001:2008 Certified Institution


2014-2018

**DADI INSTITUTE OF ENGNEERING AND TECHNOLOGY**

**DEPARTMENT OF CIVIL ENGINEERIG**

# CERTIFICATE

This is to certify that the project entitled " **PERFORMANCE EVALUTION FOR M40 DESIGN MIX CONCRETE WITH PARTIAL REPLACEMENT OF CONVENTIAL IN GREDIANTS IN CEMENT AND FINEAGGREGATE** " is submittedbyS.SATEESH(15U45A0117),L.SANTHOSHIKUMARI(15U45A0126),B. SRIHARI(14U41A0102),N.R.AVINASH(14U41A0108).I.ANUSHA(15U45AO127) and CH.SUNIL KUMAR(13U41A0106) and is a bonafide work done by them in partial fulfillment of the requirement for the award of degree of Bachelor Of Technology in Civil Engineering of Jawaharlal Nehru Technological University, *Kakinada during the academic year 2014-2018.*

**PROJECT GUIDE**

Miss.V.ALIVELU MANGAMMA M-tech

Assistant Professor

Department Of Civil Engineering

**HEAD OF THE DEPARTMENT**

Dr. K.HARI KRISHNA Ph.D

Head Of The Civil Department

Department Of Civil Engineering

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001

**EXTERNAL EXAMINER**

AND GLASS FIBERS"

*A Project Report submitted in partial fulfillment of the requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY
IN
CIVIL ENGINEERING

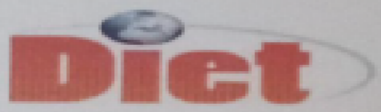
14

*Submitted by*


| | |
|---|---|
| T.SRIKANTH | (14U41A0111) |
| K.SURESH | (15U45A0107) |
| L.MURALI KRISHNA | (15U45A0132) |
| R.SANTHOSH KUMAR | (15U45A0121) |
| J.ANIL | (15U45A0134) |


Under the Esteemed Guidance of


**Miss. B. Ramya,**
M.E. (T.E),
Assistant Professor,
Department of Civil engineering



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(2014 – 2018)

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DEPARTMENT OF CIVIL ENGINEERING

# CERTIFICATE

This is to certify that the Project Work entitled "PERFOMANCE OF FLEXIBLE PAVEMENTS WITH THE USAGE OF COIR FIBERS AND GLASS FIBERS" is a bondfied work done by **T.SRIKANTH (14U41A0111), K.SURESH (15U45A0107), L.MURALI KRISHNA (15U45A0132), R.SANTHOSH (15U45A0121), J.ANIL (15U45A0134)** in partial fullfillment of the curriculum of **Bachelor of technology in Civil Engineering** during the academic year 2014 – 2018.

**Miss. B. Ramya,**
M.E. (T.E),
Assistant Professor,
PROJECT GUIDE

**Prof.Dr. K. Hari Krishna**
Ph.D
HEAD OF THE CIVIL DEPARTMENT

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalle - 531 001

EXTERNAL EXAMINER

A PROJECT REPORT
ON

# DESIGN AND ANALYSIS OF MULTISTORED COMMERCIAL BUILDING G+10 BY USING STAAD PRO

*A Project Report submitted in partial fulfillment of the Requirements for the award of the Degree of*

BACHELOR OF TECHNOLOGY
IN
CIVIL ENGINEERING

*Submitted by*


| | |
|---|---|
| P.VENKATALAKSHMI | (15U45A0130) |
| A. SAI BABU | (15U45A0129) |
| J. SYAMALATHA | (14U41A0113) |
| K. SIVA NAGADHA | (14U41A0107) |
| CH. SYAM SHEKHAR | (14U41A0104) |


Under the Guidance of

Sri.G. NARA HARI M.Tech

Assistant Professor,

DEPARTMENT OF CIVIL ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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## DEPARTMENT OF CIVIL ENGINEERING

## CERTIFICATE

This is to certify that the Project Work entitled **"DESIGN AND ANALYSIS OF MULITISTORED COMMERICAL BUILDING G+10 BY USING STAAD PRO"** is a bona fide work done by **P. VENKATALAKSHMI (15U45A0130), A. SAI BABU (15U45A0129), J. SYAMALATHA (14U1A0113),K. SIVA NANDHA (14U41A0107), CH. SHYAM SEKHAR(14U41A0104)**, in partial fulfillment of the curriculum of **Bachelor of Technology in civil Engineering** during the academic year 2014 – 2018.

**Mr.G. NARAHARI,** M.Tech.
Assistant Professor,
Civil engineering.

PROJECT GUIDE

**Dr. K . HARI KRISHNA,** Ph.D.
Head of the department,
Civil engineering.

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001.

EXPERIMENTAL INVESTIGATION ON [illegible]
COARSE AGGREGATE CONCRETE
AT VARIOUS ATMOSPHERIC CONDITIONS

*A Project Report submitted in partial fulfillment of the Requirements for the award of the Degree of*

**BACHELOR OF TECHNOLOGY**
**IN**
**CIVIL ENGINEERING**

*Submitted by*


| | |
|---|---|
| G.VENKATESH | (15U45A0120) |
| P.GANGA PRASAD | (14U41A0109) |
| G GANESH | (15U45A0105) |
| K. RAGHU | (15U45A0110) |
| G.CH R N S KUMAR | (15U45A0106) |


Under the Esteemed Guidance of

Sri M. RVSG GUPTHA
Assistant Professor,
Department of CIVIL

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
[Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada]
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(2014 – 2018)

# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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E-Mail: info@diet.edu.in, Website – www.diet.edu.in

## DEPARTMENTOF CIVIL ENGINEERING

## CERTIFICATE

This is to certify that the project work entitled **" EXPERIMENTAL INVESTGATION ON FULLY RECYCLED COARSE AGGREGATE CONCRETE AT VARIOUS ATMOSPHERIC CONDITIONS "** is a bonafide record work done by **G.VENKATESH(15U41A0120) , P.GANGA PRASAD (14U41A0109) , G GANESH ( 15U45A0105) , K. RAGHU (15U45A0110), G.CH R N S KUMAR (15U45A0106) ,** in partial fulfillment of the curriculum of B.Tech. IV Year II Semester in CIVIL Engineering during the academic year 2017-2018

**PROJECT GUIDE**
Mr. M. RVSG GUPTHA M,Tech
Asst. Professor
Department of CIVIL

**HEAD OF THE DEPARTMENT**
Dr. K. HARI KRISHNA PHD
Professor
Head of the CIVIL Department

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech.
Anakapalle - 531 001.

EXTERNAL EXAMINER

A PROJECT REPORT

ON

# TO STUDY THE EFFECT OF BAGASSE ASH ON STRENGTH CHARACTERISTICS OF BLACK COTTON SOIL

SUBMITTED TO JNTU-KAKINADA FOR FULFILMENT OF AWARD OF

DEGREE OF

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

BY


P.NEELIMA (14U41A0110)

B.VIJAYA LAKSHMI (15U45A0101) T.Y.KISHORE (15U45A0133)

P.CHIRANJEEVI (15U45A0104) P.NAGU (15U45A0119)


UNDER THE ESTEEMED GUIDANCE OF

Sri. B.SESHAGIRI RAO

Assistant Professor

DEPARTMENT OF CIVIL ENGINEERING

DADI INSTITUTE OF CIVIL ENGINEERING & TECHNOLOGY

(Affiliated to JNTU, Kakinada, Approved by AICTE, NEW DELHI)

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NH-5, ANAKAPALLE-531002


2014 -2018

## DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that the project work entitled "TO STUDY THE EFFECT OF BAGASSE ASH ON STRENGTH CHARACTERISTICS OF BLACK COTTON SOIL" that is being submitted by " P.NEELIMA(14U41A0110), B.VIJAYA LAKSHMI(15U45A0101),P.CHIRANJEEVI(15U45A0104),P.NAGU(15U45A0119), T.YADU KISHORE(15U45A0133)" for the fulfillment of the Degree of Bachelor of Technology in Civil Engineering to Jawaharlal Nehru Technological University-Kakinada is a record of bonified work carried out by them under my guidance and supervision.

B. Seshagiri Rao

Project Guide
Sri B.Seshagiri Rao,
Assistant professor,
Dept. of Civil Engineering.

Head of the Department
Dr.K.Hari Krishna Ph.D,
Professor & Head,
Dept. of Civil Engineering,
DIET.

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001.

External Examiner

i

A Project Report
On

# PERFORMANCE EVALUATION ON PERVIOUS CONCRETE BY PARTIAL REPLACEMENT OF GLASS POWDER IN CEMENT

Submitted to "JNTU-KAKINADA" for the fulfillment requirements for the award of degree of

**BACHELOR OF TECHNOLOGY**
**IN**
**CIVIL ENGINEERING**

25

Submitted by


| | |
|---|---|
| CH.JAGADEESWARA RAO | (15U45A0102) |
| K.KURMA RAO | (15U45A0108) |
| G.NAGA NOOKESH | (15U45A0135) |
| P.V.SANTOSH KUMAR | (15U45A0123) |
| D.SIVA SAI | (13U41A0109) |

Under the guidance of
Miss, P.UMA M.Tech
Assistant professor
Department of civil engineering

**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**
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(2014-2018)

Diet

# *DADI INSISTUTE OF ENGINEERING AND TECHNOLOGY*

Anakapalle, Vishakhapatnam

## ***Certificate***

This is to certify that the Project Work entitled "**Performance evaluation on pervious concrete by partial replacement of glass powder in cement**" is a bonafide work done by Ch.jagadeeswara Rao (15U45A0102), K.Kurma Rao (15U45A0108), P.V.Santosh Kumar (15U45A0123), G.Naga nookesh (15U45A0135), D.Siva sai (13U41A0109), in partial fulfillment of the curriculum of **Bachelor of Technology in Civil Engineering** during the academic year 2017-2018.

P. Uma

PROJECT GUIDE

Miss, P.UMA M.TECH
Assistant Professor
Department Of Civil Engineering

HEAD OF THE DEPARTMENT

Dr. K.HARI KRISHNA Ph.D
Head Of The Department
Department Of Civil Engineering

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001

EXTERNAL EXAMINER

# COST EFFECTIVE ALTERNATIVE CURING METHOD - A BOON TO NATURAL RESOURCES

*SUBMITTED TO "JNTU – KAKINADA" FOR FUL FILMENT OF AWARD OF*

*DEGREE OF*

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

***Submitted by***


| | |
|---|---|
| **K.GOVINDA RAO** | **(15U45A0113)** |
| **V.SUNANDHA MYTHREYI** | **(14U41A0112)** |
| **N.TATAJI** | **(15U45A0128)** |
| **M.HARITHA** | **(15U45A0131)** |
| **CH.SRINU** | **(15U45A0103)** |


Under the Esteemed Guidance of

**Dr. K. HARI KRISHNA,**

Professor & HOD, Civil Engineering


**DEPARTMENT OF CIVIL ENGINEERING**

**DADI INSTITUTE OF ENGINEERING & TECHNOLOGY**

**(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)**
**NAAC Accredited Institution**
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**NH -5, ANAKAPALLE – 531 002 Visakhapatnam A.P.**
**E-Mail: info@diet.edu.in, Website –www.diet.edu.in**


**2014-2018**

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

# CERTIFICATE

This is to certify that the Project Work entitled **"COST EFFECTIVE ALTERNATIVE CURING METHOD - A BOON TO NATURAL RESOURCES"** is a bonifide work done by **K.GOVINDA RAO (15U45A0113), V.SUNANDHA MYTHREYI (14U41A0112), N.TATAJI (15U45A0128), M.HARITHA (15U45A0131), CH.SRINU (15U45A0103),** in partial fulfillment of the curriculum of **Bachelor of Technology in civil Engineering** during the academic year 2014 – 2018

Dr. K. HARI KRISHNA

PROJECT GUIDE

Dr. K. HARI KRISHNA

HEAD OF THE DEPARTMENT

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001.

EXTERNAL EXAMINER

A Project report on

# CONSTRUCTION TECHNIQUES FOR RETROFITTING BY JACKETING OF RCC MEMBER

Submitted in partial fulfillment of the requirements

**For the award of degree of**

**BACHELOR OF TECHNOLOGY**

**IN**

**CIVIL ENGINEERING**

*Submitted by*


K.SHANMUKA RAO (15U45A0109)

KIRAN BEHERA (14U41A0105)

P.SATYANRAYANA (15U45A0136)

G.RAGHU RAM (15U45A0124)

P.K.TRIPURA SUNDARI (15U45A0137)


**Under the Esteemed Guidance of**

**Mr. K. SANTHOSH**

**M.Tech ( STRUCTURES)**

**Assistant Professor**


**DEPARTMENT OF CIVIL ENGINEERING**

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

NAAC ACCREDITED INSTITUTION

[Approved by AICTE and affiliated to JNTUK, Kakinada, A.P]

An ISO 9001:2008, ISO14001:2004 & OHSAS18001:2007 Certified Institution


2014-2018

# CERTIFICATE

This is to certify that the project entitled " **CONSTRUCTION TECHNIQUES FOR RETROFITTING BY JACKETING OF RCC MEMBER**" is submitted by K.SANMUKA RAO (15U45A0109), P.SATYANARAYA(15U45A0137),P.KANAKA TRIPURA SUNDARI (15U45A0137), KIRAN BEHERA (14U41A0105) And G.RAGHURAM(15U45A0124) and is a bonafide work done by them in partial fulfillment of the requirement for the award of degree of Bachelor Of Technology in Civil Engineering of Jawaharlal Nehru Technological University, Kakinada during the academic year 2014-2018.

**PROJECT GUIDE**

**Mr. K.SANTHOSH**
**Asst. Professor**
**Department of CIVIL**

**HEAD OF DEPARTMENT**

**Dr. K.HARIKRISHNA,Ph.D**
**Professor**
**Head of the CIVIL Department**

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalli - 531 001.

**EXTERNAL EXAMINER**

## Experiential learning: Visit to Electrical Substation

III year EEE students visited Electrical Substation , Old Dairy farm on 6th September,2017.The gained knowledge on Electrical operations by presentation by a senior Engineer. APEPDCL officials have briefed the students about the various stages of power generation.

Mr. Vijay kumar along with students at substation

## III EEE students list who attended the electrical substation

| S.NO | HT NO | NAME |
|---|---|---|
| 1 | 15U41A0201 | ADARI DURGAMAHESH |
| 2 | 15U41A0202 | ADARI LOKESH |
| 3 | 15U41A0203 | ALLA MURALI SATEESH |
| 4 | 15U41A0204 | AMALAKANTI VENKATA SAI RAM |
| 5 | 15U41A0205 | AMUJURI NANI |
| 6 | 15U41A0206 | BODABATHULA VINAY |

| | | |
|---|---|---|
| 7 | 15U41A0207 | D SAI KUMAR |
| 8 | 15U41A0208 | DADI MAHENDRA SANTHOSH NAIDU |
| 9 | 15U41A0209 | DASARI JEEVAN MADHU SAI REDDY |
| 10 | 15U41A0210 | EERIGILA LIKHITA |
| 11 | 15U41A0211 | GORIVILLI DIVYA |
| 12 | 15U41A0212 | GULLA SEKHAR |
| 13 | 15U41A0213 | GURRALA SRINU |
| 14 | 15U41A0215 | KOLLUMALLA DURGABABU |
| 15 | 15U41A0216 | KONATHALA VAMSI GANESH |
| 16 | 15U41A0217 | KUNDAN KUMAR SINGH |
| 17 | 15U41A0218 | MARAPUREDDI PRASAD |
| 18 | 15U41A0219 | MHATRE PANKAJ KRUSHNA |
| 19 | 15U41A0220 | NALLA MADHURI |
| 20 | 15U41A0221 | POLIREDDY NAVEEN |
| 21 | 15U41A0222 | PULI VIJAYA KUMAR REDDY |
| 22 | 15U41A0223 | REDDI SANYASI NAIDU |
| 23 | 15U41A0224 | RYALI SAI KUMAR |
| 24 | 15U41A0225 | ULLI VINAY |
| 25 | 15U41A0226 | VADDIPARTHI SAI KIRAN |
| 26 | 16U45A0201 | ADARI JYOTHSNA |
| 27 | 16U45A0202 | BARNIKALA ASHOK |
| 28 | 16U45A0203 | CHITRADA DEVIPRASANNA |
| 29 | 16U45A0204 | DADI LAVANYA |
| 30 | 16U45A0205 | DESAMSETTI KASUBABU |
| 31 | 16U45A0206 | DEVARA RENUKA |
| 32 | 16U45A0207 | JOGADA SATYA PRAKASH |
| 33 | 16U45A0208 | ALLABOINA GIRISH |
| 34 | 16U45A0209 | AVVARI EASH SAI KUMAR |
| 35 | 16U45A0210 | KATTA DINESH KUMAR |
| 36 | 16U45A0211 | KUDAVALLI HARSHITA |

| | | |
|---|---|---|
| 37 | 16U45A0212 | KUNDRAPU PRADEEP |
| 38 | 16U45A0213 | M ASHOK BABU |
| 39 | 16U45A0214 | DADI KISHORE |
| 40 | 16U45A0215 | NANDAVARAPU GANESH |
| 41 | 16U45A0216 | P DEVENDRA |
| 42 | 16U45A0217 | DHARMALA SANTHOSH KUMAR REDDY |
| 43 | 16U45A0218 | SAMMINGA MANI SANKAR |
| 44 | 16U45A0220 | GANJI VIJAYKUMAR |
| 45 | 16U45A0221 | JOKADA SHANKAR RAO |
| 46 | 16U45A0222 | MALLA MANIKANTA |
| 47 | 16U45A0223 | MALLA TEJASREE |
| 48 | 16U45A0224 | MOSURI RAVI KISHORE |
| 49 | 16U45A0225 | MOTHURTHI SAIBHANU |

## Experiential learning: VISIT TO HINDUSTAN PETROLEUM CORPORATION LIMITED

The students of IV ECE went on an industrial visit to the HPCL on 6th September,2017. The senior officials gave a brief introduction about the terminal operation and policies with a presentation. The crew of HPCL explained clearly about all the work units situated in the industry terminal. Bottling unit, Tanker and Wagon filling units are the major work areas in the terminal.

Students at HPCL

# IV ECE LIST OF STUDENTS VISITED HPCL

| S.NO | HT NO | NAME |
|---|---|---|
| 1 | 14U41A0401 | B. THIRUMALA PAVAN |
| 2 | 14U41A0402 | B. LAVANYA |
| 3 | 14U41A0403 | B. SANTHI |
| 4 | 14U41A0405 | D. MOUNIKA |
| 5 | 14U41A0406 | D. PAVAN KUMAR |
| 6 | 14U41A0407 | D. BHAVYA |
| 7 | 14U41A0408 | I. RAMYA |
| 8 | 14U41A0409 | J. BHARAT NARAYANA |

| | | |
|---|---|---|
| 9 | 14U41A0410 | K. TIRUMALA |
| 10 | 14U41A0411 | K. KRANTHI KUMAR |
| 11 | 14U41A0412 | K. GIRISHA |
| 12 | 14U41A0413 | M. SAIRAM |
| 13 | 14U41A0414 | M. HIMA BINDU |
| 14 | 14U41A0415 | M. TARUN KUMAR |
| 15 | 14U41A0416 | N. P. CHANDRA VARMA |
| 16 | 14U41A0417 | N. MARY GRACE |
| 17 | 14U41A0418 | N.N.S. GANESH |
| 18 | 14U41A0419 | N. DIVYA |
| 19 | 14U41A0420 | P. KUSUMA |
| 20 | 14U41A0421 | R. JYOTHIRMAI |
| 21 | 14U41A0424 | U. SREE LAKSHMI SUMA |
| 22 | 14U41A0425 | P. GANESH |
| 23 | 15U45A0401 | B.RAJA PHANINDRA |
| 24 | 15U45A0402 | B.SAI DEEPTHI |
| 25 | 15U45A0403 | CH.NARESH |
| 26 | 15U45A0404 | CH.CHIRANJEEVI |
| 27 | 15U45A0405 | K.LAVANYA |
| 28 | 15U45A0406 | K.RAMA LAKSHMI |
| 29 | 15U45A0407 | K.SEKHAR |
| 30 | 15U45A0408 | M. JHANSI RANI |
| 31 | 15U45A0409 | P. DIVYA |
| 32 | 15U45A0410 | R.PRASANNA LAXMI |
| 33 | 15U45A0411 | R. SIVAJI |
| 34 | 15U45A0412 | S. NAVEEN VARMA |
| 35 | 15U45A0414 | S.SRIVANI |
| 36 | 15U45A0415 | S.BABY |
| 37 | 15U45A0416 | V.GANGA RAJU |
| 38 | 15U45A0417 | V. JAYA |
| 39 | 15U45A0418 | D.SANTOSHI SOUNDARYA |
| 40 | 15U45A0419 | K.P. CHANDRA SEKHAR |
| 41 | 15U45A0420 | A.CHANDRA RAMU |
| 42 | 15U45A0421 | B. MANJULA |
| 43 | 15U45A0423 | A.KANNA BABU |

## Experiential learning: VISIT TO RANGABOLU GEDDA

The final Civil students as part of study tour went to Rangabolu Gedda reservoir project, which is at Jammadula Village near Kasimkota on 25th July,2017. Students were briefed about the watershed management and irrigation provision in the vicinity of the project. They were also briefed about the AP Govt. initiative of Neeru-Pragathi

Students at Rangabolu Gedda reservoir project

## IV CIVIL STUDENTS VISITED RESERVOIR

| S.NO | HT NO | NAME |
|---|---|---|
| 1 | 13U41A0104 | B.R.L. PRASAD |
| 2 | 13U41A0106 | CH. SUNIL KUMAR |
| 3 | 13U41A0109 | D.SIVA SAI |
| 4 | 14U41A0101 | A. VINEETHA |
| 5 | 14U41A0102 | B. SRIHARI |
| 6 | 14U41A0104 | CH. SHYAM SEKHAR |
| 7 | 14U41A0105 | KIRAN BEHERA |
| 8 | 14U41A0106 | KONDA SIVA RAM |
| 9 | 14U41A0107 | K. SIVANANDHA |

| | | |
|---|---|---|
| 10 | 14U41A0108 | N. R. AVINASH |
| 11 | 14U41A0109 | PADI GANGA PRASAD |
| 12 | 14U41A0110 | PENTAKOTA NEELIMA |
| 13 | 14U41A0111 | TANGETI SRIKANTH |
| 14 | 14U41A0112 | V. SUNANDHA MYTHREYI |
| 15 | 14U41A0113 | JAGU SYAMALATHA |
| 16 | 15U45A0101 | B VIJAYA LAKSHMI |
| 17 | 15U45A0102 | C JAGADEESWARA RAO |
| 18 | 15U45A0103 | C SRINU |
| 19 | 15U45A0104 | CHIRANJEEVI P |
| 20 | 15U45A0105 | G GANESH |
| 21 | 15U45A0106 | G KUMAR |
| 22 | 15U45A0107 | KADAGALA SURESH |
| 23 | 15U45A0108 | K KURMA RAO |
| 24 | 15U45A0109 | K SHANMUKHA RAO |
| 25 | 15U45A0110 | K RAGHU |
| 26 | 15U45A0111 | K SHANMUKHA SAI |
| 27 | 15U45A0112 | K LOKESH |
| 28 | 15U45A0113 | K GOVINDARAO |
| 29 | 15U45A0114 | MISKA MOHAN |
| 30 | 15U45A0115 | RAIPUDI GANESH |
| 31 | 15U45A0116 | S MANOJ KUMAR |
| 32 | 15U45A0117 | SIDDA SATEESH |
| 33 | 15U45A0119 | P NAGU |
| 34 | 15U45A0120 | VENKATESH |
| 35 | 15U45A0121 | SANTHOSHKUMAR |
| 36 | 15U45A0122 | B  KOMALA |
| 37 | 15U45A0123 | P V SANTOSH |
| 38 | 15U45A0124 | G RAGHURAM |
| 39 | 15U45A0125 | D YASWANTH |
| 40 | 15U45A0126 | L SANTHOSI KUMARI |
| 41 | 15U45A0127 | I ANUSHA |
| 42 | 15U45A0128 | NAIDANA TATAJI |
| 43 | 15U45A0129 | ADARI SAIBABU |

| | | |
|---|---|---|
| 44 | 15U45A0130 | P VENKATALAKSHMI |
| 45 | 15U45A0131 | M HARITHA |
| 46 | 15U45A0132 | L MURALI KRISHNA |
| 47 | 15U45A0133 | T YADU KISHORE |
| 48 | 15U45A0134 | JOGA ANIL |
| 49 | 15U45A0135 | G NAGA NOOKESH |
| 50 | 15U45A0136 | P SATYANARAYANA |
| 51 | 15U45A0137 | P K TRIPURA SUNDARI |

## Experiential learning: visit to vizag container terminal

The Department of MBA organized an Industrial visit to VIZAG CONTAINER TERMINAL, visakhapatnam on 29th August,2017 for its first year students. They have gained knowledge with respect to Logistics, distribution, supply chain channel, marketing areas etc

MBA students field trip

| HTNO | STUDENT NAME |
|---|---|
| 17U41E0001 | ALLA VARAHA NOOKA PUSHPAJA |
| 17U41E0002 | ANGARA LOVA RAJU |
| 17U41E0003 | BALIBOYINA SAROJINI |
| 17U41E0004 | BHAMIDIMARRI SATYA SRINIVAS |
| 17U41E0005 | BUDDHA RESHMA |
| 17U41E0006 | CHEKKA VINEETHA |
| 17U41E0007 | DANDU RAMYA JYOTHI |
| 17U41E0008 | DUNGALA PRAVALI |
| 17U41E0009 | GOLLAVILLI ANNAPOORNA |
| 17U41E0010 | KANDREGULA BALA MURALI |
| 17U41E0011 | JAMPA PRIYANKA |
| 17U41E0012 | KOTTU NEERAJA |
| 17U41E0013 | MADISA VENKATESH |
| 17U41E0014 | MALLI RAMBABU |
| 17U41E0015 | MANDARAPU BHASKAR |
| 17U41E0016 | MATHI BHARGAVI SAI HINDHUJA |

| | |
|---|---|
| **17U41E0017** | **MYCHERLA LAKSHMANA RAO** |
| **17U41E0018** | **MYLAPILLI SREEDEVI** |
| **17U41E0019** | **NITTA YAMUNA** |
| **17U41E0020** | **PENTAKOTA MOULI PRIYANKA** |
| **17U41E0021** | **PALLA SIVA KRISHNA** |
| **17U41E0022** | **PANASA LASHYA** |
| **17U41E0023** | **PENTAKOTA MADHURI** |
| **17U41E0024** | **PENUMALLA SREE LAKSHMI** |
| **17U41E0025** | **PULAVARTHI HYMAVATHI** |
| **17U41E0026** | **SARAGADAM JALAJA** |
| **17U41E0027** | **SIRASAPALLI CHANDRAKALA** |
| **17U41E0028** | **TATIKONDA SURYAKALA** |
| **17U41E0029** | **VANAPALLI RAJESH** |
| **17U41E0030** | **YELLAPU KUSUMA SOWJANYA** |
| **17U41E0031** | **J PRIYANKA** |
| **17U41E0032** | **YELLAPU POOJITHA** |
| **17U41E0033** | **SURISETTI GIRIJA PRASANNA** |
| **17U41E0034** | **YELLABILLI APARANJINI** |
| **17U41E0035** | **CHINTADA DHANALAKSHMI** |
| **17U41E0036** | **SURISETTY PRIYANKA** |
| **17U41E0037** | **PENTAKOTA PRIYANKA** |
| **17U41E0038** | **TUMULA PARVATI** |
| **17U41E0039** | **GORUPUTI DHANALAKSHMI** |
| **17U41E0040** | **POLAMARASETTY ROOPA RAVINDRABABU** |
| **17U41E0041** | **JONNADA BHARATHI** |
| **17U41E0042** | **MAHAMMAD SHAHID** |

## Experiential learning: visit to BHEL, visakhapatnam

The students of final MBA went on an industrial visit to the BHEL Vizag on 7th October,2017. The company officials have briefed the students about BHEL through a PowerPoint. The students gained knowledge about various aspects that are relevant to them like HR, Finance, Production &Operations, Quality and Marketing.

Dr.Ram kumar along with students at BHEl, Visakhapatnam

Students attended the BHEL

| HALLTICKET NO | NAME OF THE STUDENT |
|---|---|
| 16U41E0001 | A.PAVANI |
| 16U41E0002 | A.SRI PRIYANKA |
| 16U41E0003 | B.MEENA SOWJANYA |
| 16U41E0004 | B.YAMINI |
| 16U41E0005 | B.V.S PHANI KRISHNA |
| 16U41E0006 | B.A MADHU KIRAN |
| 16U41E0007 | D.VAMSI SAI KISHORE |
| 16U41E0009 | G.NAGAMANI |
| 16U41E0010 | J.JYOTHI KIRANMAYI |
| 16U41E0011 | K.M NAIDU |
| 16U41E0012 | K.JYOTHSNA |
| 16U41E0013 | K.ASWANI |
| 16U41E0014 | K.JAGADEESWAR RAO |

| | |
|---|---|
| 16U41E0015 | M.NEELIMA |
| 16U41E0016 | MD. ARSHI AZMI |
| 16U41E0017 | MD.NAZMIN AARA |
| 16U41E0018 | N.NAGAVALLI |
| 16U41E0019 | P.PARASURAM |
| 16U41E0020 | P.SATYA NARAYANA |
| 16U41E0021 | P.DURGA DEVI |
| 16U41E0022 | P.LAVANYA |
| 16U41E0023 | M.SUSHMA |
| 16U41E0024 | V.NAGA PRASAD |
| 16U41E0025 | Y.S.V SAI CHAITANYA |
| 16U41E0026 | K.TEJA |
| 16U41E0027 | M.JAGADISH |
| 16U41E0028 | G.VARA LAKSHMI |
| 16U41E0029 | V.SRAVANI |
| 16U41E0031 | A.SIRISHA |
| 16U41E0032 | V.MOUNICA |
| 16U41E0033 | K.KRISHNA VENI |
| 16U41E0034 | D.MANIKANTA |
| 16U41E0035 | P.SWATHI |
| 16U41E0036 | J.LEELA KRISHANA |
| 16U41E0037 | A.KAVYA SAMHITA |
| 16U41E0038 | R.SAI LAXMI |
| 16U41E0039 | A.VISHNU VARDHAN REDDY |

## Experiential learning:  Two Day workshop on Entrepreneurship

A Two Day workshop on Entrepreneurship was organized by the Department of Management Studies in association with Entrepreneurship Development Institute which is sponsored by National Science &Technology Entrepreneurship Development Board on 22nd &23rd December, 2017. Sri G.Ramabhadra Rao Senior Deputy Director, APPC (Andhra Pradesh Productivity council) was the Chief Guest and Sri B. Mohan rao Dy Director was the guest of Honor and also the resource person.

Sri G.Ramabhadra Rao Senior Deputy Director, APPC addressing students

## Experiential learning:  A three day Workshop  on Programmable Logic Controllers

Dadi Institute of Engineering & Technology, in association with Andhra Pradesh State Skill Development Corporation organized a three day Workshop for the Final Year Students of Department of Electrical & Electronics on Programmable Logic Controllers during 14th Dec to 16th Dec-2017. The Workshop aims to enhance and strengthen the skills among the students in the Automation in the Industry. 60 participants from Diet participated in the work shop.

Resource person addressing students

## Experiential learning: Six days workshop on the android development

Dadi Institute of Engineering & Technology, in association with Andhra Pradesh State Skill Development Corporation organized six days Workshop for the Students of Department of Computer Science Engineering from 15th February to 21st February,2018. Mr. Muneiah Tellakula and his team of resource persons from APSSDC have justified the task of training 62 students on the Android development by giving the best of the knowledge they possess.

Students who participated in workshop

## Experiential learning: Problem solving methodologies: IEEE Xtreme 11.0

DIET IEEE Student branch successfully took part in 24 hrs programming contest IEEE Xtreme 11.0 conducted across the globe on 14th October from 5.30 AM to 5.30 AM on 15th October , 2017 . It is a global challenge where the members of IEEE Participate in solving a set of programming problems.

Students participating in IEEE extreme

## Guest lecture: Employment awareness session

The Department of Management Science organized a session on Employment opportunities and how to grab them on 9th February,2018. Founder Director of Smart Steps India Pvt Ltd Sri Lavanya kumar was the guest speaker. He has given a wonderful lecture on the opportunities for the management students especially in the domains of HR, Finance and Marketing.

Sri Lavanya kumar addressing students

## Guest Lecture: Building Information Modeling

On 15th February, 2018 Department of Civil Engineering organized a guest lecture on Awareness of BIM (Building Information Modeling) Software. The Resource Person was Mr.R.Pradeep Senior Manager, New ARCH Technologies, Bangalore. He gave lecture on the importance of the software and its utilization for the coming years as the technology in the field of civil engineering has been growing and he felt that the software knowledge also has to be updated and to be adopted by every individual who is in the profession of civil engineering.

Mr.R.Pradeep Senior Manager, New ARCH Technologies, addressing students

# GUEST LECTURE ON GOODS & SERVICE TAX

The Department of Management Science on 21st March,2018 organized a guest lecture on "Impact of GST on Indian Economy". The resource person was Mrs. K. Aparna, Asst Commissioner, Taxation Anakapalle division. She handled the burning topic of the nation in a tactful way conveying how it can bring out an economic transformation in the country.

Mrs. K. Aparna, Asst Commissioner, Taxation, addressing students

## Participative Learning: Business Club Activities

The Department of Management Science in order to promote the creative skills of the young mangers conducts various skill based activities like Ad- Making, Debates, Group discussion, Promoting of a product etc on every Wednesday. This active club has been rejunivating the students and allowing them to develop high confidence levels before they step into the world of competition.

Students participating in Business acticvity

## Participative Learning: Science Quiz

As part of National Science day celebrations QUEST  The science quiz was conducted for First B.Tech Students by Quiz Master Ganesh Rajeswara Rao in an innovative way using the  electronic  buzzers. Students were overwhelmed and enjoyed answering the question that tested their memory.

Mr. Ganesh Rajeswara Rao conducting technical quiz

## Participative learning:

Student seminars were conducted in order to improve the communication and presentation skills of the students

Students giving seminar on a technical topic of their choice

Student learning through peer discussion

Student seminars conducted in MBA dept

## Participative learning through surveys and awareness programmes

# SWACCH ANDHRA OPEN DEFECATION FREE (ODF) - SURVEY PROGRAMME

Swacch Andhra Open Defecation Free (ODF)-Survey programme was conducted in maredupudi and Akkireddipalem villages in Anakapalli(M), Visakhapatnam, from November to December, 2017 by our NSS UNIT. The survey was to track the governments flagship programme, Swachh Bharat Abhiyan in Andhra Pradesh and to make Andhra an open defecation free state. NSS volunteers educated the rural folk about Open air defecation and conveyed that due to lack of general sanitation and hygiene people are exposed to various diseases, especially diarrhea and intestinal infections and also typhoid, cholera, hepatitis, polio, trachoma and other diseases. Infected surface water wells and hand pumps may cause serious health hazards. In this Survey program the NSS Volunteers actively participated and have interacted with the villagers and extracted the details..They enquired about:

1) Do they have personal toilets,
2) Whether they are utlizing it for defection or not.
3) Whether they have constructed it on their own or supported by the Government.

DIET students performing survey in villages

## AWARENESS PROGRAMME ON WOMEN EMPOWERMENT

On 19 September, 2017 Internal Complaints committee organized an awareness program on Hemoglobin count for girl students. Dr. Madhuri, Gynecologist was the resource person. She felt that the adolescent girls have to take nutritious diet to be away from anemia and low hemoglobin count. She opined healthy women keeps the family healthy.

Awareness created for DIET students

## TRAINING ADOLESCENT GIRLS OF SOCIAL WELFARE SCHOOLS

The peer group trainers of our college regularly visit the social welfare schools in and around the vicinity of the town and provide the necessary training to the adolescent girls with respect to various issues related to them, They provide them with the measures to take in order to combat.

DIET students interacting with school girls and awareness on health and hygiene issues

## HEALTH TIPS BY SENIOR FACULTY

Smt M. Lalitha senior faculty of environmental sciences had taken a session on hygiene and diet for the third year girl students. She felt that students food habits are the primary reason for the low hemoglobin count . She insisted that proper diet only can ensure health. She gave some health tips for the girls to improve their health.

**Expert talk on women's food habits**

## ESSAY WRITING ON WOMEN EMPOWERMENT

Committee in association with NCW (National Commission for Women), New Delhi, conducted Nation Wide Competition to Create Awareness about the Legal Rights of Women and 568 Students of DIET have participated in the Competition

Students participating in competition by National Commission for Women

## YASASWEE BHAVA

Personality development session was organized for the newly joined students of B.Tech. on 8 July, 2017. Renown motivational and personality development trainer Prof Dr. K. V. S.G Murali Krishna, Principal, JNTU Narsaraopet. The trainer emphasized on the skills to be acquired by the students to excel in their life. Students were mesmerized by the trainer and assured him that they would execute what the session taught them and would certainly work out to lead a long life by following the values.

**Students attending session by Mr. Murali Krishna , professor „JNTUK**

## CAREER GUIDANCE & PD SESSION

Renowned trainer Sri Krieater Krishna from Hyderabad conducted a training session on How to set targets and rd th achieve them and succeed in career on 3 & 4 July, 2017 for the new inducts of B.Tech & Diploma .The interactive approach of the trainer involved the students to practice certain aspects which would help them in building a right career during the session.

Students participating in career guidance session

## AWARENESS ON ADULT FRANCHISE

NSS unit in association with Eenadu television organized an awareness session on the need of enrolling oneself as Voter on 24th January,2018 Smt P. Bala, Deputy Thasildhar (Voter enrollment), Anakapalli graced the event and educated the students about their role in designing the future of India by registering as Voter.

Smt P. Bala, Deputy Thasildhar creating awareness

# CYCLE RALLY IN SUPPORT TO APSPF INITIATIVE

On 28th December,2017 Students of Our college have joined AP special Police Protection Force in a rally to promote awareness on Health and Environment .Our students who rode bicycles for about 15kms have given slogans about the need of protecting the environment from pollution and keeping ourselves healthy.

DIET students in cycle rally to create awareness on environment

# AWARENESS PROGRAMME ABOUT THE LEGAL RIGHTS OF WOMEN

DIET ICC (Internal Complaint Committee) in association with NCW (National Commission for Women), New Delhi, conducted Nation Wide Competition to Create Awareness about the Legal Rights of Women. About 568 Students of DIET have participated in the Competitionon 13th October 2017.

**Students getting awareness on women's rights**

## CYCLE RALLY TO CREATE AWARENESS

150 students joined with Andhra Pradesh Special Protection Force (AP SPF) in a Cycle Rally in creating Awareness on Health and Control of Pollution . Students have covered 12kms on cycles and spread the message of physical exercise will help in keeping us healthy and also to avoid vehicles as they pollute the environment. Students advocated everyone to use public transport and give holiday to personal vehicles. A total number of 91 SPF Officers have participated in Rally. The event was inaugurated by Sri DNA Basha Superindent of Police, Rajamahendravaram region. The participation of 100 plus volunteers and good number of faculty members has been the highlight along with huge participation from girl students

**Students participating in cycle rally to create awareness on pollution**

## ROAD SAFETY AWARENESS FOR NH-16 USERS

NSS unit has initiated educating the NH-16 users on the need of following traffic rules for safe journey from 19th December, 2017. As part of the program every Saturday NSS volunteers will educate the road users about the need of wearing helmet, seat belt and driving with minimum speed. The event is supported by Traffic police of Anakapalle.

**DIET students participating in road safety awareness drive along with police**

# NSS UNIT ORGANIZES ‘CASHLESS TRANSACTION AWARENESS’

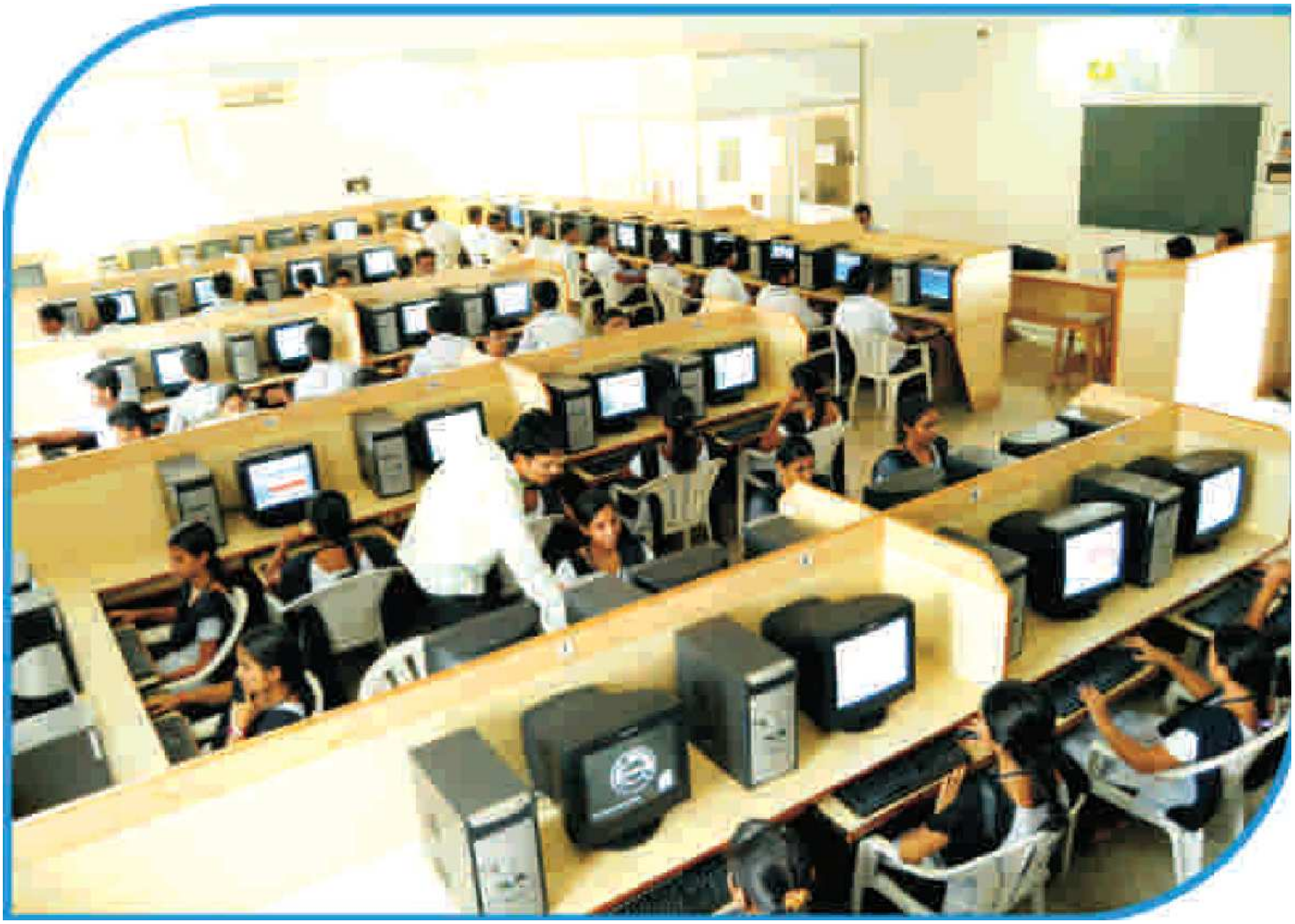
NSS UNIT organized cashless transaction awareness sessions to the citizens of its adopted villages Maredupudi, Akkireddipalem and Koppaka. Volunteers have educated the villagers on various means through which transactions can be made in the absence of physical cash. They have encouraged people to use Ewallets such as Paytm, Airtel Money etc. Volunteers demonstrated how mobile transactions are made and also educated them about UPI (Unified Interface Payment)

DIET students creates awareness to village people on online payments

Experiential learning by conducting experiments in laboratories

**Students learning in Control Systems lab**

**Students learning in Strength of Materials Lab**



**Students learning in C Programming Lab**

**Students learning in Fluid mechanics Lab**

**Students learning in Web Technologies Lab**

**Students learning in Electrical Machines Lab**

**Students learning in Surveying Lab**

**Students learning in Electronic Devices & Circuits Lab**

**Students learning in Chemistry Lab**

**Students learning in Physics Lab**

**Students learning in Language Lab**

PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE 531 002

# 2016 – 17