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

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

(2020-2021)

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

This is to certify that the 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
Department of Civil Engineering

HEAD OF THE DEPARTMENT

Er.N. Ramu,M.Tech,
Head of the Department
Department of Civil Engineering

Prof KVSG Murali Krishna
EXTERNAL EXAMINER

AN EXPERIMENTAL INVESTIGATION TO STUDY THE BEHAVIOUR OF CONCRETE USING PLASTIC WASTE AS THE PARTIAL REPLACEMENT OF FINE AGGREGATE

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 VIJAYA KUMAR	(17U41A0101)
M GANESH	(18U45A0106)
J DURGA DEVI	(18U45A0110)
D SRAVANTHI	(18U45A0114)
P MANIKANTA SHYAM	(18U45A0149)

Under esteemed guidance of

Mr. O. SURESH M. Tech, (Ph. D), AMIE
Assistant professor, DEPT. OF CIVIL ENGINEERING

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Civil Engineering

(Permanently Affiliated to JNTU KAKINADA & NAAC Accredited Institute
NH – 16, ANAKAPALLE – 531002, Visakhapatnam, Andhra State.)

www.diet.edu.in

(2017 – 2021)

CERTIFICATE

This is to certify that the project work entitled **An Experimental Investigation To Study The Behaviour Of Concrete Using Plastic Waste As The Partial Replacement Of Fine Aggregate.** That is being submitted by B VIJAYA KUMAR (17U41A0101), M GANESH (18U45A0106), J DURGA DEVI (18U45A0110), D SRAVANTHI (18U45A0114), P MANIKANTA SHYAM (18U45A0149), 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

O. Suresh

O.SURESH M.tech,(Ph.D)

AMIE,C.Engg,Asst.Professor
Department of CIVIL Engineering
DIET,Anakapalle.

Project guide

Mr. N. Ramu M.Tech

HOD of Civil Engineering

Head of the Department
Civil Engineering
Jadi Institute of Engg. & Tec

Prof. K. V. S. G. MURALI KRISHNA

EXTERNAL EXAMINAR

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
P.RAJ MAHESH	16U41A0114

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)

NAAC ACCREDITED INSTITUTE

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

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

2016 - 2020

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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

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

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

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

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

(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-531001, Visakhapatnam, A.P. 2016-2020

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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

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)
M.BHANU PRASAD	-	(17U45A0133)

Under the guidance of

Mr. P. LAKSHMINARAYANAM.Tech, IAENG

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

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

NH-16, Anakapalle-531002, Visakhapatnam, A.P. www.diet.edu.in

2016-2020

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

NAAC ACCREDITED INSTITUTE

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

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

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

Department of Civil Engineering

HEAD OF THE DEPARTMENT

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

Professor

Department of Civil Engineering

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

EXTERNAL EXAMINER

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)

NAAC ACCREDITED INSTITUTE

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

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

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Prof KVSG Murali Krishna
EXTERNAL EXAMINE

XPERIMENTAL 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

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

(Permanently Affiliated to JNTU KAKINADA & NAAC Accredited Institute
NH – 16, ANAKAPALLE – 531002, Visakhapatnam, Andhra State.)

www.diet.edu.in

(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
Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech
Anakapalle - 531 002

PROF. KVSG MURALI KRISHNA
EXTERNAL EXAMINAR

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	-	18U45AO125
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

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

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002

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

EXTERNAL EXAMINER

EXPERIMENTAL STUDY ON STONE MASTIC ASPHALT WITH THE USAGE OF FIBRES

A project report submitted inpartial fulfilment of the requirements for the award of the Degreeof

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

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

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

Head of the Department
Civil Engineering
Sri Vasavi Institute of Engg. & Tech.
Nandamuru - 521 367

Prof KVSG Murali Krishna
EXTERNAL EXAMINER

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)
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified,
NAAC Accredited Institution
NH -16, ANAKAPALLE – 531 002, Visakhapatnam, A.P.
(2017-2021)

DADI INSTITUTE OF ENGINEERING&TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS
18001:2007 Certified Institution
NH-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

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
NH – 16, ANAKAPALLE – 531002, Visakhapatnam, Andhra State.)
www.diet.edu
(2017 – 2021)

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

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech.
Anakapalle - 531 002.

PROF. KUSA MURALI KRISHNA
EXTERNAL EXAMINAR

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

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2017-2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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

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

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 INSTITITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

ISO 9001 :2008: ISO14001:2004 & OHSAS 18001: 2007 certified institution

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

2017-2021

DADI INSTITITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

ISO 9001 :2008: ISO14001:2004 & OHSAS 18001: 2007 certified institution

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)

Head of the Department
Civil Engineering
Dadi Institute of Engg. Tech.

Mr. N.RAMU, M. Tech

(PROFESSOR)

(HEAD OF THE DEPARTMENT)

Prof KVSG MURALI KRISHNA

EXTERNAL EXAMINER

COVID-19 DETECTION USING CHEST X-RAY

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.AKHILESWARI	17A61A0548
K.BHARGHAVI	17U41A0574
N.MAHESHWARI	17A61A0534
I.SAI BABU	17U41A0569
M.B.PREM SAI KUMAR	17U41A0580

Under the Esteemed Guidance of

Sri. RAMARAJU S.V.S.V.P

Sr. Assistant 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-5, Anakapalle-531002, Visakhapatnam, A.P.

2020

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

This is to certify that the Project work entitled "COVID-19 DETECTION USING CHEST X-RAY" is a being submitted by V.AKHILESWARI (17A61A0548) ,K.BHARGHAVI (17U41A0574),N.MAHESHWARI (17A61A0534) ,I.SAI BABU (17U41A0569), M.B.PREM SAI KUMAR (17U41A0580) 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

MR.RAMARAJUS.V.S.V.P
(PROFESSOR)
(PROJECT GUIDE)

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

EXTERNAL EXAMINER

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

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

Under the Esteemed Guidance of

Mr.CH.DINESH
Sr.Assistant.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-5, Anakapalle-531002, Visakhapatnam, A.P.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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.

Mr.CH.DINESH
(Sr.ASSISTANT PROFESSOR)
(PROJECT GUIDE)

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

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

EXTERNAL EXAMINER

5G SMART 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

Submitted by

O.KIRANMAYI	17U41A0589
B.JYOTHI	17U41A0565
K.SRUTHI	17U41A0573
M.RAMESH	17U41A0581
P.BHANU PRAKASH	17U41A0596

Under the Esteemed Guidance of

Mr.RAMARAJU.S.V.S.V.P

Sr.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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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.

Mr.RAMARAJU.S.V.S.V.P

(Sr.ASST.PROFESSOR)

(PROJECT GUIDE)

Dr. L. PRASANNA KUMAR

(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

EXTERNAL EXAMINER

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

Submitted by

A.NAVYA	17U41A0562
K.SRI MANVITHA	17U41A0571
D.BINDU PRIYA	17U41A0568
Y.SRINIVAS	17U41A0599
K.SAI SAMPATH	18U45A0506

Under the Esteemed Guidance of

DR L.PRASANNA KUMAR

Associate Professor, Department of CSE

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

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.

DR L.PRASANNA KUMAR

(ASSOCIATE PROFESSOR)

(PROJECT GUIDE)

DR.L.PRASANNA KUMAR

(ASSOCIATE PROFESSOR)

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.&Tech.

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

DIET INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY WEBSITE (DIJEST Website)

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

M.REVATHI SAI CHANDU	17U41A05A4
M.SWETHA PRIYA	17U41A0586
K.PRIYANKA	17U41A0577
L.JOSHI	17U41A0578
K.SWATHI	17U41A0572

Under the Esteemed Guidance of

Dr . **K. SUJATHA**

Associate 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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

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.

Dr. K. SUJATHA
(ASSOCIATE PROFESSOR)

(PROJECT GUIDE)

Dr. L. PRASANNA KUMAR
(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

EXTERNAL EXAMINER

DIET INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY WEBSITE (DIJEST Website)

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

G.NAVIN KUMAR	17U41A0517
T.RENUKA	17U41A0542
B.KASI ANNAPOORNA DEVI	17U41A0508
K.VENKAT SAI DINESH	17U41A0523
K.LOKESH	17U41A0527

Under the Esteemed Guidance of

Dr . **K. SUJATHA**

Associate 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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

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 G NAVIN KUMAR (17U41A0517), T RENUKA (17U41A0542), B KASI ANNAPOORNA DEVI (17U41A0508), K DINESH (17U41A0523), K LOKESH (17U41A0527), 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. K. SUJATHA
(ASSOCIATE PROFESSOR)
(PROJECT GUIDE)

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

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.& Tech.
Anakapalle-531001

EXTERNAL EXAMINER

HOUSE PRICE PREDICTION USING REGRESSION

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

K.DEVAKI	(17U41A0529)
K.JYOSHNA	(17U41A0535)
M.SAI PRASANTH	(17U41A0540)
K.SRI NOOKA NANDA	(17U41A0526)
M.SRAVANI	(17U41A0544)

Under the Esteemed Guidance of

Dr. L. PRASANNA KUMAR

HEAD OF THE DEPARTMENT, 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-5, Anakapalle-531002, Visakhapatnam, A.P.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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.

Dr. L. PRASANNA KUMAR
(ASSOCIATE PROFESSOR)

(PROJECT GUIDE)

Dr. L. PRASANNA KUMAR
(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.& Tech.
Anakapalle-531001

EXTERNAL EXAMINER

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

Y.Mounika Bhavani (17U41A0598)

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.

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY (Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada) NAAC ACCREDITED INSTITUTE ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution NH-16, Anakapalle-531002, Visakhapatnam, A.P

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

Head of the Department
Computer Science & Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

Signature of the External

Examiner Name:

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

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

(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, AP.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDIATED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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
Computer Science & Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

EXTERNAL EXAMINER

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

M.BalaKrishna	17U41A0503
P.KarthikNaidu	17U41A0549
P.Lalitha	17U41A0550
S.Manvitha	17U41A0553
K.Shamini	17U41A0424

Under the Esteemed Guidance of

Dr.L.Prasanna Kumar

Associate 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

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P
2021

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
(ASSOCIATE PROFESSOR)

(PROJECT GUIDE)

Dr.L.PRASANNA KUMAR
Head of the Department
Dadi Institute of Engg.&Tech.
Anakapalle-531001
(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

Submitted by

K.L.L.G.S.Janaki	17U41A0507
U.Sai Sree Ram	17U41A0555
S.Lekha Sri	17U41A0552
K.Keerthana	17U41A0525
Y.Dharani	17U41A0559

Under the Esteemed Guidance of

Mr.CH.DINESH

Sr.Assistant.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-5, Anakapalle-531002, Visakhapatnam, A.P.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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
(Sr.ASSISTANT PROFESSOR)
(PROJECT GUIDE)

Dr. L. PRASANNA KUMAR
(ASSOCIATE PROFESSOR)
Head of the Department
Computer Science and Engg.
Dadi Institute of Engg. & Tech.
Anakapalle-531001
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

Submitted by

N.MANIMALA	17U41A0546
A.HARITHA	17U41A0502
G.RISHITHA	17U41A0519
V.SREENU	17U41A0557
R.PAVANSUTHA	17U41A0551

Under the Esteemed Guidance of

MR.RAMARAJU.S.V.S.V.P

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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
(Sr.ASST.PROFESSOR)

(PROJECT GUIDE)

Dr. L. PRASANNA KUMAR
(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

EXTERNAL EXAMINER

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

Submitted by

K.MOUNIKA	17U41A0530
V.TEJASWI	17U41A0556
K.TANUJA	17U41A0536
CH.THULASI LAKSHMI	17U41A0532
B.DURGA PRASANTH SUNDAR	17U41A0504

Under the Esteemed Guidance of

Mrs.T.SUJATHA

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

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)

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

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.& Tech
Anakapalle-5

EXTERNAL EXAMINER

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

V.HIMAPRIYA	**17U41A0558**
CH.SRIHITHA	**17U41A0512**
K.LAVANYA	**17U41A0531**
M.HANISHKA	**17U41A0520**
K.NAVYASRI	**17U41A0537**

Under the Esteemed Guidance of

Dr. K. SUJATHA

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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

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

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
(PROFESSOR)

(PROJECT GUIDE)

Dr. L. PRASANNAKUMAR
(PROFESSOR)

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.
Anakapalle-531001

(HEADOF THE DEPARTMENT)

EXTERNAL EXAMINER

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

K LOHITHA	17U41A0534
B MADHURI KAMALA VIJAYA LAKSHMI	17U41A0510
E TEJASRI	17U41A0514
G SAI AKSHAY REDDY	17U41A0518
L MOULI	17U41A0539

Under the Esteemed Guidance of

Dr. **M.Srinivasa Rao**

Associate 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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P

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
ASSOCIATE PROFESSOR

(PROJECT GUIDE)

Dr.L.PRASANNA KUMAR
ASSOCIATE PROFESSOR

Head of the Department
Computer Science and engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

K.BHANU PRASANNA	**17U41A05A2**
P.SAISREE	**17U41A0590**
V.VENKAT SWAROOP	**17U41A0597**
K.MADHU	**17U41A0576**
S.PAWAN KALYAN	**18U45A0504**

Under the Esteemed Guidance of

Dr. K. SUJATHA

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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

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

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
(PROFESSOR)

(PROJECT GUIDE)

Dr. L. PRASANNAKUMAR
(PROFESSOR)

(HEADOF THE DEPARTMENT)

EXTERNAL EXAMINER

Automatic Traffic Sign Recognition, Classification And Alert System Using CNN

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

Buddha Divya Durga	**18U45A0501**
Chittibonu Sree Harika	**17U41A0567**
Mosuri Janaki Srivalli	**17U41A0587**
Juttika OmSai	**18U45A0502**
Velugula Bhanu	**18U45A0507**
Konathala Lohit Sai Krishna Teja	**16U41A0539**

Under T*he Esteemed Guidance of*

Dr.L. Prasanna Kumar

Associative Professor, Department Of CSE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

ISO 9001:2008, ISO 14001:2004 & OHSAS 1800:2007 Certified Institute

NH-16, Anakapalli, Visakhapatnam- 531002.

CERTIFICATE

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(18U845A0502),Ch.SreeHarika(17U41A0567),M.JanakiSrivalli(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)

(PROJECT GUIDE)

DR.L. PRASANNA KUMAR

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg. & Tech.
Anakapalle-531001

(ASSOCIATE PROFESSOR)

(HEAD OF DEPARTMENT)

EXTERNAL EXAMINER

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

M.PADMAJA	17U41A0584
S.M.HAJERA	17U41A0594
P.SURYA PRABHA	17U41A0592
CH.NAVYA SREE	17U41A0566
K.SUSHMA	17U41A0575
B.J.SATYA SRI	17U41A0564

Under the Esteemed Guidance of
Dr. L.PRASANNA KUMAR
Associative Professor & Head, CSE

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by A.I.C.T.E, New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004& OHAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P.

2017-2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU, Kakinada)
NAAC Accredited Institute
National Highway–16, Anakapalle, Visakhapatnam–531002, A.P

CERTIFICATE

This to certify that the project work entitled "**MACHINE LEARNING BASED SMART INDUSTRIAL AUTOMATION USING HYBRID ARCHITECTURE**" is being submitted by M.PADMAJA (17U41A0584), S.M.HAJERA (17U41A0594), P.SURYA PRABHA (17U41A0592), CH.NAVYASREE (17U41A0566), K.SUSHMA (17U41A0575), B.J.SATYA SRI (17U41A0564) 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.

DR L.PRASANNA KUMAR

(ASSOCIATE PROFESSOR)

(PROJECT GUIDE)

DR.L.PRASANNA KUMAR

(ASSOCIATE PROFESSOR)

Computer Science and Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

Submitted by

J.AMRUTHA VALLI	17U41A0522
Y. JYOTHSNA	17U41A0560
M.NAGU	17U41A0541
B. ROSHINI SANGEETHA	17U41A0511
G.SWEETY	17U41A0515

Under the Esteemed Guidance of

Mrs.G.SUJATHA

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "CYBER BULLYING DETECTION BASED ON SEMANTIC-ENHANCED MARGINALIZED DENOISING AUTO-ENCODER" is a being submitted by J.AMRUTHA VALLI (17U41A0522), Y.JYOTHSNA (17U41A0560), M.NAGU (17U41A0541), B.ROSHINI SANGEETHA (17U41A0511), G.SWEETY (17U41A0515) 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.G.SUJATHA
(ASSISTANT PROFESSOR)
15/4/2021
(PROJECT GUIDE)

Dr. L. PRASANNA KUMAR
(ASSOCIATE PROFESSOR)
Head of the Department
Computer Science and Engg.
Dadi Institute of Engg.&Tech
Anakapalle-531001
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

B. KOMALI	17U41A0509
T. UPENDRA	17U41A0554
K. TEJASWANI	17U41A0533
B. MAHESWARI	17U41A0505
D. ABHISHEK	17U41A0513

Under the Esteemed Guidance of

Mr. Y. DINESH KUMAR

Assistant 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the Project work entitled "FLOOD MITIGATION SYSTEM" is a being submitted by B KOMALI (17U41A0509), T UPENDRA (17U41A0554), K TEJASAWANI (17U41A0533), B MAHESWARI (17U41A0505), D ABHISHEK (17U41A0513) 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. Y. DINESH KUMAR
(ASSISTANT PROFESSOR)

(PROJECT GUIDE)

Dr. L. PRASANA KUMAR
(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

Head of the Department
Computer Science & Engg.
Dadi Institute of Engg.&Tech.
Anakapalle-531001

EXTERNAL EXAMINER

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

Submitted by

A. ASWANI CHOONANDA	17U41A0501
I. PRANAY SAI VARMA	17U41A0521
K. SATYA SAI SANTHOSH	17U41A0538
K. BHAVYA	17U41A0506
P. PRAVALLIKA	17U41A0547

Under the Esteemed Guidance of

Mrs. K. KOMALI

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

2020

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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.

Mrs. K. KOMALI
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)

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

Head of the Department
Computer Science and Engg.
Dadi Institute of Engg. & Tech.
Anakapalle-531001

EXTERNAL EXAMINER

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

NH16, Anakapalle -531002, Visakhapatnam, A.P

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.

Ms. Sheik Shabeena

(Asst. Professor of ECE)

(PROJECT GUIDE)

Mr. K. Joginaidu

(Assoc. Professor of ECE)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

Y. Lavanya	17U41A0462
S.Divya	18U45A0412
k.Mounika	17U41A0468
Ch. Chetan Satya	17U41A0471

Under the Esteemed Guidance of
Mr. M. Kishore Kumar M.Tech,(Ph.D)
Asst.Professor, Department of ECE

DADI INSTITITE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.2020-2021

DADI INSTITITE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E, New Delhi & Permanently 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.2020-2021

CERTIFICATE

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.

M.kishore kumar

Mr. M.KISHORE KUMAR
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)

P.Poorna Prigo 29/7/21
for

Mr. K.JOGINAIDU
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)

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

T. DIVYA	**(18U45A0421)**
G. CHANDRA KALA	**(17U41A0470)**
K. SIRISHA	**(18U45A0413)**
K. KUSUMA	**(18U45A0416)**
K. CHANDRA MOULI	**(18U45A0419)**

Under the Guidance of

Mrs. B. T. Archana M. Tech

Asst. Professor, Dept. of ECE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

NH16, Anakapalle -531002, Visakhapatnam, A.P.2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

NH16, Anakapalle -531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the project work entitled "VEHICLE THEFT CONTROL AND ALCOHOL DETECTION INTIMATION THROUGH SMS" is being submitted by T. DIVYA (18U45A0421), G. CHANDRA KALA (17U41A0470), K. SIRISHA (18U45A0413), K. KUSUMA (18U45A0416), K. CHANDRA MOULI (18U45A0419) 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.

Mrs. B.T. Archana
(Asst. Professor of ECE)
(PROJECT GUIDE)

Mr. K. Joginaidu
(Assoc. Professor of ECE)
(HEAD OF THE DEPARTMENT)

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

Submitted by

N.SIRISHA	**(17U41A0440)**
CH.SRITHA RAMALAKSHMI	**(17U41A0408)**
P.TEJA	**(17U41A0443)**
G.SAI GANESH	**(17U41A0415)**
B.NARENDRA ASHOK	**(17U41A0403)**

Under the Esteemed Guidance of

Mrs. B.T. Archana M.Tech

Asst. Professor, Department of E.C.E

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

CERTIFICATE

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.

Mrs B.T.Archana
(Asst. Professor of ECE)
(Project Guide)

P. Poorna Jyothi 28/7/21
K.Joginaidu
(Associate Professor)
(Head of the department)

EXTERNAL EXAMINER

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

G.V.S. ARUN KUMAR	17U41A0435
N. ALEKHYA	17U41A0437
A. ROHIT NAIDU	17U41A0402
S. SANTHOSHI	17U41A0456

Under the Esteemed Guidance of

Dr. P. Poorna Priya

Associate 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

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

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

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

This is to certify that the Project work entitled "ROBUST IMAGE WATERMARKING IN FREQUENCY DOMAIN USING BACK PROPAGATION NEURAL NETWORKS" is being submitted by G.V.S. ARUN KUMAR (17U41A0435), N. ALEKHYA (17U41A0437), A.ROHIT NAIDU (17U41A0402), S. SANTHOSHI (17U41A0456) in partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS & COMMUNICATION ENGINEERING during the academic year 2020-2021.

P. Poorna Priya

Dr. P. Poorna Priya

(ASSOCIATE PROFESSOR)

(PROJECT GUIDE)

for P. Poorna Priya 26/7/21

Mr. K. JOGI NAIDU

(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

Submitted by

PREETI SAH	17U41A0447
B. DIVYA MAHIMA	17U41A0404
P. JANARDHAN	17U41A0445
S. BHAVANI	17U41A0452
S. NAGAMANI	17U41A0453

Under the Esteemed Guidance of

Mrs. M. KASIYAMMAL B.E, M.Tech

Asst. Professor, Department of ECE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi &Permanently 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

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

This is to certify that the 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. KASIYAMMAL
(ASST.PROFESSOR)
(PROJECT GUIDE)

Mr K. JOGI NAIDU
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

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

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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

2020-2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

NH-5, Anakapalle-531002, Visakhapatnam,

A.P2020-2021

CERTIFICATE

This is to certify that the Project work entitled "ARDUINO BASED WATERQUALITY MANAGEMENT SYSTEM" is being submitted by V.HARICHANDANA (17U41A0459),S.VASUNDHARA (17U41A0457), V.N.D.N.PAVAN (17U41A0460), in fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for ELECTRONICS &COMMUNICATION ENGINEERING during the academic year2020-2021.

Mr. S.SURESHKUMAR
(ASST.PROFESSOR)
(PROJECTGUIDE)

Mr. K.JOGINAIDU
(ASSOCIATEPROFESSOR)
(HEAD OF THEDEPARTMENT)

EXTERNAL EXAMINER

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

R.LAXMI VINEETHA	17U41A0450
K.CHANDRA HARSHA	17U41A0426
B.DHARANI	17U41A0406
K.SATISH KUMAR	17U41A0428
S.RAJITHA	17U41A0454

Under the Esteemed Guidance of

Dr. A.S.N.VARMA, M.Tech

Asst.Professor, Dept of ECE

Department of Electronics and Communications Engineering

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

NAAC ACCREDITED INSTITUTE

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

National Highway-16, Anakapalle-531002, Visakhapatnam Dist, Andhra Pradesh

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU, Kakinada)
National Highway -16, Anakapalle – 531002, Visakhapatnam Dist., A.P.
Phone: 9963981111, e-mail: info@diet.edu.in , Web: www.diet.edu.in

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.
Asst.Professor, Dept of ECE

P. Poorna Priya 30/7/21.
Head of the Department
Dr. P. Poorna Priya, PhD.
Asso.Professor, Dept of ECE

External Examiner

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

K. VENKATAPRASANNA	18U45A0417
M. MOUNIKA	18U45A0404
T. BABA	18U45A0429
L. SUNITHA	17U41A0463
P. UDAY KUMAR	18U45A0425

Under the Esteemed Guidance of

Mr. S. SURESH KUMAR,M.Tech.

Assistant Professor, Department of ECE

DADI INSTITITE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.2020-2021

DADI INSTITITE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.2020-2021

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.

P. Poorna Priya 26/7/21

Mr. S. SURESH KUMAR

(ASSISTANT PROFESSOR)

(PROJECT GUIDE)

P. Poorna Priya 26/7/21

Mr. K. JOGI NAIDU

(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

N ARUNA SREE	(18U45A0405)
K J GANAVARDHAN	(18U45A0415)
M BHAGYA SRI	(18U45A0403)
A TEJASWINI	(18U45A0409)
R RAJYA LAXMI	(18U45A0414)

Under the Esteemed Guidance of

Mrs. M. KASIYAMMAL

B.E, M.Tech

Asst. Professor, Department of ECE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

NH-16, Anakapalle-531002, Visakhapatnam,AP

2021

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
(ASST.PROFESSOR)
(PROJECT GUIDE)

Mr. K.JOGINAIDU
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)

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

V.YAMINI	17U41A0461
J.SATYAVATHI	18U45A0411
K.BHAVANASREE	18U45A0423
M.BHARATH	18U45A0402
V.MADHU	17U41A0469

Under the Esteemed Guidance of

Mr. KURITI JOGINAIDU M.Tech.,(Ph.D.)

Assoc. Professor, Department of E.C.E

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & permanently affiliated to JNTUK, Kakinada) NAAC ACCREDITED INSTITUTE

An ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution NH16, Anakapalli-531002, Visakhapatnam, A.P.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

An ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Institution NH16, Anakapalli-531002, Visakhapatnam, A.P.

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.

P. Poorne Priyo 28/7/21

Mr. K.JOGI NAIDU

for **(ASSOCIATE PROFESSOR)**

(PROJECT GUIDE)

P. Poorne Priyo 28/7/21.

Mr. K.JOGI NAIDU

for **(ASSOCIATE PROFESSOR)**

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

K. YAMINI	18U45A0401
P. UDAY BHANU	17U41A0466
T. RAJU	18U45A0424
A. SAI KRISHNA	18U45A0430
S. VARUN BHASKHAR	18U45A0407

Under the Esteemed Guidance of
Ms. SHEIK SHABEENA M. Tech,
Assistant Professor, Department of ECE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently 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.

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)

for P. Poorna Priya 26/7/21
Mr. K. JOGI NAIDU
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)

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

D.VANI	17U41A0410
K. BHARATH KUMAR	17U41A0425
M.NANI BABU	17U41A0433
B. LAVANYA	17U41A0407
P. CHANDRIKA	17U41A0444

Under the Esteemed Guidance of

Mrs. P. AMRUTHA

M. Tech, M. Tech

Asst. 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

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

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

2020-2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

(ASST.PROFESSOR)

(PROJECT GUIDE)

MR. K. JOGINAIDU

(ASSOC.PROFESSOR)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

P.SANTOSH	18U45A0406
E.SEKHAR	18U45A0428
A.V HEMANTH KUMAR	18U45A0410
T.K SUPRIYA	17U41A0464
P.KUMAR SWAMY	17U41A0465

Under the Esteemed Guidance of

Mr.K S N V Someswara Rao

M.Tech. (Assistant Professor, Dept. of ECE)

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

ISO 9001:2008, ISO 14001:2004 & OHSAS 1800:2007 Certified Institute

NH-16, Anakapalli, Visakhapatnam- 531002.

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

NAAC Accredited Institute

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
(Assistant Professor)
(PROJECT GUIDE)

Mr.K.Jogi Naidu 26/7/21
(Associate Professor)
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

D.SEETARAMA MURTHY	17U41A0413
K. SRINIVAS	17U41A0427
P. JANARDHAN	17U41A0442
P. HEMANTH	17U41A0446
E. BHOGESH	17U41A0414

Under the Esteemed Guidance of

Mr. R. SUNEEL KUMAR

B. Tech, M. Tech

Asst. 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

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

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

2020-2021

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

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.

30/7/21

Mr. R. SUNEEL KUMAR

(ASST.PROFESSOR)

(PROJECT GUIDE)

P. Poorna Priya 30/7/21

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

K. Pavan Sai Teja	17U41A0420
P. Sirisha	17U41A0448
N. Kusal Kumar	17U41A0439
D. Dedeepya	17U41A0412
M. Ashok Kumar	17U41A0436

Under the Esteemed Guidance of

Mr. MALLA. Kishore Kumar M. Tech, (Ph.D)

Asst.Professor, Department of ECE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE ISO 9001:2008;ISO 14001:& OHSAS 18001:2007 Certified Institution NH-16, Anakapalle-531002, Visakhapatnam, A.P

2020-2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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.

M. Kishore Kumar

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

P. Poorna Priya 30/7/21

DR.Poorna Priya
(Associate Professor)
(Head of the Department)

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

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

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently 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.

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
(ASSOCIATE PROFESSOR)
(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

B. Saicharan	17U41A0405
K. Roopa	17U41A0421
M. Srinu	17U41A0434
K. Sravani	17U41A0429
K. Madhuri	17U41A0438

Under the guidance of

Dr. J. BABU, B.TECH., M.TECH., Ph.D.

Professor, Department of ECE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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

2020-2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E & Permanently 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

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)

(PROJECT GUIDE)

P. Poorna Priya 28/7/21

Dr. P. POORNA PRIYA

(ASSOCIATE PROFESSOR)

(HEAD OF DEPARTMENT)

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

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

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently 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.

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)

(PROJECTGUIDE)

P. Poorna Priya 26/7/21

K. JOGI NAIDU

(ASSOCIATE PROFESSOR)

(HEAD OFTHEDEPARTMENT)

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

M.SAI PRIYA	17A61A0429
R.HYMA	18U45A0432
T.SAI MENAKA	18U45A0431
V.SAI PREMIKA	18U45A0433

Under the Esteemed Guidance of

Mrs. D.L.MYTHRI M.Tech

Asst. Professor, Department of E.C.E

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

CERTIFICATE

This is to certify that the project work entitled "SOCIAL DISTANCING ID CARD" is being submitted by M.SAI PRIYA (17A61A0429), R.HYMA (18U45A0432), T.SAI MENAKA (18U45A0431), V.SAI PREMIKA (18U45A0433) 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.

Mrs. D.L.MYTHRI

(ASSISTANT PROFESSOR)

(PROJECT GUIDE)

Mr. K.JOGI NAIDU

(ASSOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

Submitted by

R. BHAVANI	17U41A0467
S. JAGADEESH	18U45A0418
P. LAHARI PRIYA	18U45A0420
D.D.DINESH	18U45A0422

Under the Esteemed Guidance of

Mrs. P. AMRUTHA

Asst. 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

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

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

2020

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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.

Mrs. P.AMRUTHA
(Asst.PROFESSOR)
(PROJECT GUIDE)

Mr. K. JOGINAIDU
(ASSOCIATEPROFESSOR)
(HEAD OF THE DEPARTMENT)

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

A. NAVEEN KUMAR	17U41A0401
M. BABY SUMALATHA	17U41A0432
N. MOHAN RAO	17U41A0441
M. SAI KRISHNA	17U41A0431
K. SATISH	17U41A0419

Under the Esteemed Guidance of

K S N V SO[illegible]ESWARARAO, M. Tech

Assistant Profe[illegible], Department of ECE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E & Permanently 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.

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.

K S N V SOMESWARARAO
(ASSISTANT PROFESSOR)
(PROJECT GUIDE)

K. JOGI NAIDU
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

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

M. MOHANA KRISHNA	17U41A0209
M. KIRAN	17U41A0208
K. SHIVAKARTHIK	17U41A0207
E. PURNIMA PRIYANKA	18U45A0211
K. CHAKRA SURENDRA NAIDU	17U41A0226

Under the Esteemed Guidance of

Mr. D. R. CH. NOOKESH, M. Tech, (PhD).

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

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

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

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the 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.

Mr.D.R.Ch.Nookesh,M.Tech,(Phd)
(Assistant Professor)
(PROJECT GUIDE)

Mr.A.Krishna Nag M.Tech,(Phd)
(Assistant Professor)
(HEAD OF THE DEPARTMENT)

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

EXTERNAL EXAMINER

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

D.MANOJ	(18U45A0208)
D.VENKATESH	(17U41A0201)
A.PAVAN KALYAN	(18U45A0202)
B.SANKAR	(17U41A0225)
CH.DURGA VENKATESH	(18U45A0205)

Under the Esteemed Guidance of

Mr.K.SRINIVASA RAO

Assistant Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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 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.K.SRINIVASA RAO
Assistant Professor
PROJECT GUIDE

Mr. A. KRISHNA NAG
Associate Professor
HEAD OF THE DEPARTMENT

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

EXTERNAL EXAMINER

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

Submitted by

T.Purnachand	18U45A0235
Y.Dileep Kumar	18U45A0234
S.Akhil	18U45A0230
V.Ayyapa swami	18U45A0233
S.Pavan Kumar	18U45A0243

Under the Esteemed Guidance of

Mr. Ch.Ravi Kumar

Asst. Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Permanently 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

CERTIFICATE

This is to certify that the Project work entitled "CNC DRAWAING MACHINE" is a being submitted by T.PURNACHAND(18U45A0235), Y.DILEEPKUMAR(18U45A0234),S.AKHIL(18U45A0230),V.AYYAPASWAMI(18U45A0233),S.PAVANKUMAR(18U45A0243),partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY FOR ELECTRICAL AND ELECTRONICS ENGINEERING during the academics year 2020-21.

(PROJECT GUIDE)

(HEAD OF THE DEPARTMENT)

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

EXTERNAL EXAMINER

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

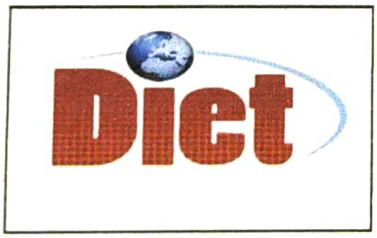
Submitted by

P.DHARANI PRIYANKA	**18U45A0229**
CH.DURGA PRASAD	**18U45A0262**
P.LALITHA	**18U45A0236**
B.GOPI CHAND	**18U45A0249**
D.MADHAN KUMAR	**18U45A0238**

Under the Esteemed Guidance of

Mrs.K. ALFONI JOSE

Assistant Professor, Department of EEE



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E & Permanently 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

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.

Mrs. K. ALFONI JOSE
Assistant Professor
PROJECT GUIDE

Mr. A. KRISHNA NAG
Associate Professor
HEADOF THE DEPARTMENT

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

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

P. CHANDANA	18U45A0220
G. MANIKANTA	18U45A0213
P. VARALAKSHMI	176K1A0212
V. LAHITHA	17U41A0219
U. CHANDHAN KUMAR	17U41A0218

Under the Esteemed Guidance of

Mr. A. KRISHNA NAG

Associate Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E &Permanently 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.

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.

Mr. A. KRISHNA NAG
(Associate Professor)
PROJECT GUIDE

Mr. A. KRISHNA NAG
(Associate Professor)
HEAD OF THE DEPARTMENT-EEE

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

Dr. R SRINIVAS RAO
EXTERNAL EXAMINER

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

DEVADULA ESWARA SARASWATHI	18U45A0210
NAGIREDDI RAVITEJA	17U41A0210
BHASKARA GOWTHAM ALLAVARAPU	17U41A0223
NAKKINA DHANA SAI	18U45A0218
KESAMSETTI MOHAN BABU	17U41A0206

Under the Esteemed Guidance of

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

Associate Professor, Department of EEE.

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC Accredited Institute

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

NH -5, ANAKAPALLE – 531 002, Visakhapatnam, A.P.

Phone: 9963981111; E-Mail: info@diet.edu.in

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH -5, ANAKAPALLE – 531 002, Visakhapatnam, A.P.
Phone: 08924-221111; E-Mail: info@diet.edu.in

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.)
Associate Professor
PROJECT SUPERVISOR

Mr. A Krishna Nag B. Tech., M. Tech.,(Ph.D.)
Associate Professor
HEAD OF DEPARTMENT- EEE

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

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

CH.YAMINI	(18U45A0206)
M.VENKATESH	(18U45A0216)
K.SAI MANI KRISHNA	(18U45A0214)
SHIVAM PANDEY	(17U41A0216)
S.SUNITHA	(17U41A0215)

Under the Esteemed guidance of

Mrs. K. Alfoni Jose

Assistant Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Permanently affiliated to JNTUK, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, Andhra Pradesh

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 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.

Mrs. K. ALEONI JOSE
Assistant Professor
PROJECT GUIDE

Mr. A. KRISHNA NAG
Associate Professor
HEAD OF THE DEPARTMENT

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

EXTERNAL EXAMINER

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

M.CHARAN TEJA	(18U45A0215)
K. NOOKESH	(17U41A0204)
P.MURALISHANKAR	(18U45A0219)
E.TARUNKUMAR	(18U45A0212)
D.SAI SREENU	(18U45A0207)

Under the Esteemed guidance of

Mrs. K. Alfoni Jose

Assistant Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

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 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.

Mrs. K. ALFONI JOSE
Assistant Professor
PROJECT GUIDE

Mr. A. KRISHNA NAG
Associate Professor
HEAD OF THE DEPARTMENT

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

EXTERNAL EXAMINER

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

N.KASI VISWANADH	(17U41A0211)
P.GANGADHAR	(17U41A0212)
M.KUMAR RAJA	(18U45A0217)
D.MANOJ KUMAR	(18U45A0209)
A.JYOSHNA	(18U45A0201)

Under the Esteemed Guidance of

Mr. J Deleep Kumar

Associate Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Permanently 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

CERTIFICATE

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.

Mr. J. DELEEP KUMAR
(ASSOCIATE PROFESSOR)
(PROJECT GUIDE)

Mr. A. KRISHNA NAG
(ASSOCIATE PROFESSOR)
(HEAD OF THEDEPARTMENT)

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

EXTERNAL

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

P. Somesh	(17U41A0214)
U. Nagendra Prasad	(17U41A0217)
P. Syamala	(17U41A0213)
Ch. Lakshmi Prasanna	(17U41A0202)
K. Srinivas	(17U41A0205)

Under the Esteemed guidance of

Mr. G. JAGADEESH

Assistant Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E & Permanently 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

2021

DADI INSTITUTE OF ENGINERING AND TECHNOLOGY

(Approved by A.I.C.T.E & Permanently 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

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.

PROJECT GUIDE

Mr G. JAGADEESH

Assistant Professor

HEAD OF THE DEPARTMENT

Mr. A. Krishna Nag

Associate Professor

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

EXTERNAL EXAMINER

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

1. B Suneetha	(18U45A0204)
2. Y Poornachadra Rao	(17U41A0222)
3. K Raju	(17U41A0224)
4. G Maheshwari	(17U41A0203)
5. B Radha	(18U45A0203)

Under the Esteemed Guidance of

Mr. T Ramesh Babu, 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

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

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

2021

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDIATED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

This is to certify that the project work entitled **"Power Quality Improvement by Using D-STATCOM Using Matlab/Simulink"** is a being submitted by 1. B Suneetha (18U45A0204), 2. Y Poornachadra Rao (17U41A0222), 3. K Raju (17U41A0224), 4. G Maheshwari (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
PROJECT GUIDE

Mr. A Krishna Nag
ASSOCIATE PROFESSOR
HEAD OF THE DEPARTMENT

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

EXTERNAL EXAMINER

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

Submitted by

K.MANJUSHA	**(18U45A0232)**
P.NAVEEN KUMAR	**(18U45A0223)**
Y.HOMESH	**(18U45A0228)**
T.TEJESWAR	**(18U45A0227)**
CH.N.S.ADI SEKHAR	**(18U45A0239)**

Under the Esteemed Guidance of

Mr.K.SRINIVAS RAO

Associate Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E New Delhi & Permanently 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

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

Mr.K.SRINIVAS RAO
ASSOC. PROFESSOR
PROJECT GUIDE

Mr.A.KRISHNA NAG
ASSOC.PROFESSOR
HEAD OF THE DEPARTMENT

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

EXTERNAL EXAMINER

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

B.DIVYA	(18U45A0245)
P.DURGA MAHALAKSHMI	(18U45A0221)
K.SIVAJI	(18U45A0250)
K.VENKATA GANESH	(18U45A0259)
A.VIJAY KUMAR	(18U45A0253)

Under the Esteemed Guidance of

Mr. J Deleep Kumar

Associate Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Permanently 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

CERTIFICATE

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.

Mr. J. DELEEP KUMAR
(ASSOCIATE PROFESSOR)
(PROJECT GUIDE)

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

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

EXTERNAL

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

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

L HARITHA	18U45A0242
P MOUNIKA	18U45A0231
K JAYA SAGAR	18U45A0251
A KIRAN	18U45A0260
K JANARDHAN RAO	18U45A0261

Under the Esteemed Guidance of

Sri. K VIJAY KUMAR

Assoc. Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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. 2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Permanently 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

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 - 5

EXTERNAL EXAMINER

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

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. 2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

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

CERTIFICATE

This is to certify that the 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
Associate Professor,EEE
HEAD OF THE DEPARTMENT

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

EXTERNAL EXAMINER

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 Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E & Permanently 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

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
ASSISTANT PROFESSOR
PROJECT GUIDE

Mr. A. KRISHNA NAG
ASSOCIATE PROFESSOR
HEAD OF THE DEPARTMENT

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

EXTERNAL EXAMINER

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

A BHARATHI	18U45A0240
D SANTHOSH SAI GANESH	18U45A0263
U MAHESH	18U45A0248
P MANIKANTA	18U45A0247
U H V S SAI	18U45A0252

Under the Esteemed Guidance of

Mr.T. Ramesh babu

Assoc. Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Permanently Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A. P

CERTIFICATE

This is to certify that the 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
(ASSOC. PROFESSOR)
(PROJECT GUIDE)

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

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

EXTERNAL

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

I.SRAVAN KUMAR	(18U45A0241)
G.MANOJ	(18U45A0246)
M.FAIZ AMAN ALI	(18U45A0257)
A.ROYAL PREM	(18U45A0265)

Under the Esteemed Guidance of

Miss. P.JAGRUTHI

Assistant Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Permanently 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.

2021

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Permanently 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

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)
(PROJECT GUIDE)

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

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

EXTERNAL EXAMINER

INNOVATIVE METHOD OF WASTE TREATMENT

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

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

A. BARGAVA SAI KRISHNA	20U45A0101
G. GANESH	20U45A0106
K. LAKSHMAN RAO	20U45A0109
K. SHANKAR RAO	20U45A0110

Under the Esteemed Guidance of

Mrs. M.Kedhareswari,M.Tech

Assistant Professor, Department of Civil Engineering

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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

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

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

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

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.
NH-16, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CERTIFICATE

This is to certify that the Project work entitled "INNOVATIVE METHOD OF WASTE TREATMENT" is a being submitted by A. BARGAVA SAI KRISHNA (20U45A0101), G. GANESH (20U45A0106), K. LAKSHMAN RAO (20U45A0109), and K. SHANKAR RAO (20U45A0110) is partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2021-22.

Mrs.M.Kedhareswari
(Assistant Professor)
(PROJECT GUIDE)

Er. N. Ramu
(Assistant Professor)
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

A SOCIALLY RELAVENT PROJECT(SRP) ON SAFE GUIDELINES FOR NATIONAL HIGHWAY BY SELF CLEANING ROADS BY GRAVITATIONAL METHOD

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

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

Submitted by

A. GANESH	20U45A0102
B. SRAVANI	20U45A0103
S. BALA RAJU	20U45A0121

Under the Esteemed Guidance of

Mr. K.APPALA NAIDU, M.Tech

Assistant Professor, Department of Civil Engineering

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

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

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

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

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

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.
NH-16, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CERTIFICATE

This is to certify that the Project work entitled "SAFE GUIDELINES FOR NATIONAL HIGHWAY BY SELF CLEANING ROADS BY GRAVITATIONAL METHOD" is a being submitted by A. GANESH (20U45A0102),B. SRAVANI(20U45A0103), S. BALARAJU(20U45A0121) In partial fulfillment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2021-22.

Mr.K.APPALA NAIDU
(Assistant Professor)
(PROJECT GUIDE)

Head of the Department
Civil Engineering
Dadi Institute of Engg. & Tech.

Er. N. Ramu
(Assistant Professor)
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

A SOCIALLY RELAVANT PROJECT ON RAIN WATER HARVESTING APPROACHES ON NATIONAL HIGHWAY

A socially relavant project report submitted in partial fulfillment of the requirements for the award of the Degree of BACHELOR OF TECHNOLOGY IN

CIVIL ENGINEERING

Submitted by

K.YUVARAJU	19U41A0102
B.VASANTHI	20U45A0104
D.LALITHA	20U45A0105
L.DORABABU	20U45A0113

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 & Permanently Affiliated to JNTUK, Kakinada)

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

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

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

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

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.
NH-16, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CERTIFICATE

This is to certify that the project work entitled **"RAIN WATER HARVESTING APPROACH ON NATIONAL HIGHWAY "**is an authentic work submitted by K.YUVARAJU (19U41A0102) 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 2021-2022

Mrs. k. Manoharini

(ASSISTANT PROFESSOR)

(PROJECT GUIDE)

Mr. N. Raju

(ASSISTANT PROFESSOR)

(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

IOT BASED SMART MONITORING OF CROPS

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

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

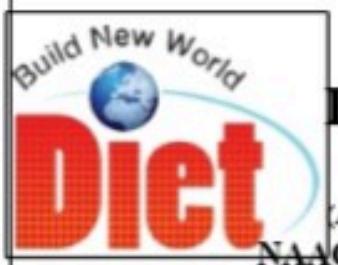
Submitted by

S.JYOTSHNA	19U41A0103
G. SRAVANI JYOTHI	20U45A0107
M. LOVA PRASAD	20U45A0114
P. CHANDRA KIRAN	20U45A0118

Under the Esteemed Guidance of

Mrs. B. RAMYA, M.E

Asst.Professor, Department of CIVIL



DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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

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

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

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

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.
NH-16, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CERTIFICATE

This is to certify that the Project work entitled "IOT BASED SMART MONITORING OF CROPS" is being submitted by S. JYOTSHNA (19U41A0103), G. SRAVANI JYOTHI (20U45A0107), M. LOVA PRASAD (20U45A0114), P. CHANDRA KIRAN (20U45A0118) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2021-22.

Mrs. B. RAMYA
(Asst.professor)
(Project guide)

Mr. N. RAMU
(Asst.professor)
(Head of the Department)

EXTERNAL EXAMINER

DECLARATION

ROLLING BARRIER SYSTEM

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

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING ENGINEERING

Submitted by

K.DEVI	20U45A0108
L.SRIDIVYA	20U45A0112
P.ESWAR SAI	20U45A0117
U.VINAY	20U45A0122

Under the Esteemed Guidance of

P.LAVANYA,M-Tech

Asst.Professor, Department of CIVIL

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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

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

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

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

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute and Inclusion under Section 2(f) & 12(B) of UGC Act
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.
NH-16, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CERTIFICATE

This is to certify that the Project work entitled "ROLLING BARRIER SYSTEM" is a being submitted by K.DEVI (20U45A0108), L.SRI DIVYA (20U45A0112), P.ESWAR SAI (20U45A0117), U.VINAY (20U45A0122) in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2021-22.

Mrs.P.LAVANYA, M-Tech
Asst.PROFESSOR
(PROJECT GUIDE)

Er.N.RAMU, M-Tech
Asst.PROFESSOR
(HEAD OF THE DEPARTMENT)

EXTERNAL EXAMINER

INNOVATIVE APPROACH FOR OPTIMISING TIME STRUCK IN TRAFFIC FOR EMERGENCY VEHICLES USING SMART SENSORS

A Socially Relevant 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.ANJALI	19U41A0101
P.VINITHA DEVI	20U45A0116
V.BHARGAV	20U45A0123

Under the Esteemed Guidance of

Mr. Hemanth Kumar Yerrabolu

M.Tech(Structures), AMIE, PGDES, PGDDZ, (PhD)

Assistant Professor DEPARTMENT of CIVIL

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.**NH-16, Anakapalle – 531002, Visakhapatnam, A.P.**

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

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

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

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute.**NH-16, Anakapalle – 531002, Visakhapatnam, A.P.**

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

CERTIFICATE

This is to certify that the Project work entitled "**Innovative Approach For Optimising Time Struck In Trafic For Emergency Vehicles Using smart Sensors**" is a being submitted by K.ANJALI (19U41A0101), P.VINITHA DEVI (20U45A0116),V.BHARGAV (20U45A0123),in partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for CIVIL ENGINEERING during the academic year 2022-2023.

Mr.Hemanth Kumar Yerrabolu
(Assistant professor)
(Project Guide)

Mr.N Ramu
(Assistant Professor)
(Head Of The Department)

EXTERNAL EXAMINER

FOOTBOARD TRAVELING IN PUBLIC TRANSPORTATION

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

BACHELOR OF TECHNOLOGY

CIVIL ENGINEERING

Submitted by

K.VARALAKSHMI	20U45A0111
M.KUSUMA	20U45A0115
P.VARAHA GANESH	20U45A0119
S.VENKATESH.	20U45A0120

Under the Esteemed Guidance of

S.NAVEEN KUMAR

Asst.Professor, Department of Civil

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.

2020

Applying said device obtained further device for automatic passenger counting and device for automatically opening and closing of vehicle

Doors", European Patent, Application number – EP 0077100 A1.

[5] S. Rohit, Shriram K.Vasudevan, S. Lokesh, K. Ajeeth, Vineet Nair, "An Intelligent and Cost Effective Footboard Accident Prevention

System", Information Technology Journal, Vol. 12, Issue 11, pp.2265-2268, 2013.

[6] R. Jayalakshmi and K. Haripriya, "Driver Assist System (DAS) to Prevent Road Accidents", International Journal on Recent and Innovation

Trends in Computing and Communication, Vol. 3, Issue 3, pp. 1613 – 1616, 2011.

Socially Relevant Projects

Dadi Institute of Engineering & Technology has been in the forefront in developing technologies to solve pressing problems of the society. Department of Computer Science Engineering aims to sufficiently organize and disseminate information about these projects within student and faculty community.

Projects at **Socially relevant projects (SRP),** Computer Science Engineering department support sizable number of such projects.

PROJECT REPORT

ON

TRICYCLE FOR PHYSICALLY CHALLENGED

Submitted By

ADARI RAVI SHANKAR
Reg – No : 19U41A0501

ALA VENKATA SOUMYA
Reg – No : 19U41A0502

ANNAPUREDDY SAMARA SIMHA REDDY
Reg – No : 19U41A0503

PETRUM HARSHA VARDHAN
Reg – No : 19U41A0504

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Dr.Prasanna Kumar, HoD, CSE

TRICYCLE FOR PHYSICALLY CHALLENGED

Problem Definition

The product is a mobility device for outdoor usage meant for mobility challenged and economically disadvantaged people. The existing tricycles in use in India lack in many essential features concerning safety and comfort and have following issues:

1. Ride on harsh roads is uncomfortable and unsafe.
2. Climbing in and out is difficult.
3. Sitting posture is uncomfortable.

Solution

Following features are provided to address issues in existing design:

1. Fitting rear wheels with independent suspensions/shock-absorbers.
2. 'Open able' arm-rest to facilitate easy climbing in and out.
3. Independently adjustable foot-rests for suitable positioning of feet and therefore offering suitable sitting posture.
4. Seat-belts for enhancing safety.
5. Parking-brakes attachment to keep the tricycle stationary while climbing in and out.
6. Perforated seats for increased ventilation and air-circulation.

Uniqueness

1. Independent rear suspensions/shock-absorbers.
2. Open able arm-rest.
3. Independently adjustable foot-rests.
4. Parking brakes.

Sample Images

PROJECT REPORT

ON

Stirling Engine

Submitted By

BODDEDA REECHA
Reg- No: 19U41A0506

CHANDANA DURGA PRASAD
Reg- No: 19U41A05067

CHATTI LAKSHMI PRIYANKA
Reg- No: 19U41A0508

CHAVA SAI RESHMA
Reg- No: 19U41A0509

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Dr.K.Sujatha

Stirling Engine

Problem Definition

The lack of electricity in rural areas and the abundance of biomass.

Solution

The product focuses on utilizing the energy content in the biomass developed in agricultural fields by using them to power an external combustion engine, without going through the trouble of converting them to biogas. The Stirling engine (External combustion) converts the energy into electrical energy through an alternator.

Uniqueness

Small scale engines suitable for household ownership with a very simple design which means easy maintenance and hence the small price makes the product very suitable for rural household needs. Special importance has been given to make a very economical product rather than making it more and more efficient, because a very efficient but costly alternative will not sell in the existing conditions.

PROJECT REPORT

ON

A PORTABLE CABLE WAY FOR POST HARVEST RESOURCE COLLECTION

Submitted By

CHINTALAPUDI VARAHA VENKATA ADITYALAHAR
Reg No: 19U41A0510

DABBIRU SAI KIRAN
Reg No: 19U41A0511

DADI BALASREE BHARGAVI
Reg No: 19U41A0512

DADI ROSHINI
Reg No: 19U41A0513

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

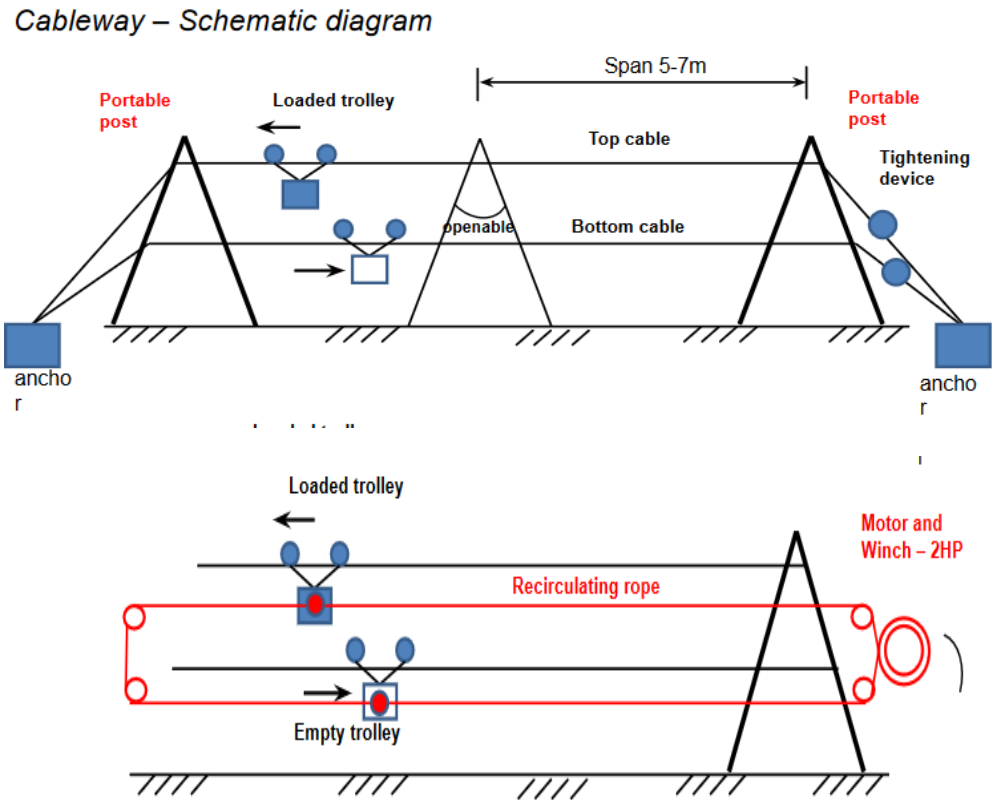
Mr.A.Venkateswara Rao

A PORTABLE CABLE WAY FOR POST HARVEST RESOURCE COLLECTION

India is one of the largest sugar producers in the world. It is produced from sugarcane. Sugar can be produced from various crops: sugarcane, sugar beet, palm jaggery etc. The immediate reason for this project is the problems faced by Sugarcane Farmers in Visakhapatnam District of Andhra Pradesh . It is typical of other farmers also.The following points are facing the farmers of Andhra Pradesh

1. There is a significant shortage of labour in the Indian farming sector.
2. All sorts of agricultural activities are thus affected.
3. Especially affected is post harvest resource collection (most labour intensive).
4. Due to small size of Indian farms (Land Ceiling Act) western type of large-scale mechanisation is not possible.
5. Wetland fields (surrounded by ditches, canals) make vehicle entry difficult into some farms.
6. Damages of fruit like bananas during manual transportation. Cable way is a preferred option here.

A simple, economical, compact portable cableway has been developed, fabricated and tested for transportation of any produce loads from farm to collection point.



PROJECT REPORT

ON

Assistive Technology to the Needy People

Submitted By

DADI THANUSHA
Reg-No: 19U41A0514

DONKA GANGA BHAVANI
Reg-No: 19U41A0515

DUKKA RAJSEKHAR REDDY
Reg-No: 19U41A0516

GAMINI NIVAS
Reg-No: 19U41A0517

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Mr.P.Rama Raju

Assistive Technology to the Needy People

Assistive Listening Systems:

A variety of assistive listening systems, or hearing assistive technology, can help students who are deaf or hard of hearing, as well as those with other auditory and learning problems. According to the National Association for the Deaf, assistive listening systems can be used to enhance the reach and effectiveness of hearing aids and cochlear implants, or by children who do not need those tools but still need help hearing. Assistive listening systems use a microphone, a type of transmission technology and a device for capturing and bringing the sound to the ear. The specific transmission technology used in the system is typically what contrasts one type of assistive listening system from another.

Text to Speech:

As an assistive technology, text-to-speech (TTS) software is designed to help children who have difficulties reading standard print. Common print disabilities can include blindness, dyslexia or any type of visual impairment, learning disability or other physical condition that impedes the ability to read. However, other students can benefit from TTS technology, such as children that have autism, attention deficit hyperactivity disorder (ADHD) or an intellectual disability.

The technology works by scanning and then reading the words to the student in a synthesized voice, using a large number of speech sounds that make up words in any given context. With the advances in speech synthesis, TTS technology is more accurate and lifelike than ever.

Intel Reader:

The Intel Reader is a mobile handheld device that uses TTS technology to read printed text aloud. It features a high-resolution camera that captures printed text, converts it to digital text and reads it to the user. During playback, words are highlighted as they are read aloud, and the user can pause and have the device spell out highlighted words. The available Intel Portable Capture Station functions as a stand for the Intel Reader to easily and quickly capture text from books and other documents.

At about the size and weight of a paperback book, the Intel Reader is mobile enough to use in any environment. Students can also transfer content from a home computer, or save generated audio versions of printed materials to a computer. Available voices vary in gender, pitch and speed.

FM systems:

According to American speech language hearing association (ASHA), FM systems are the best choice for children with sensor neural hearing loss. The most common type of hearing loss for all ages, sensor neural hearing loss occurs when the inner ear (cochlea) or nerve pathways from the inner ear to the brain are damaged.

FM systems work using radio broadcast technology. With a transmitter microphone and a receiver, the teacher and student can maintain a consistent sound level regardless of distance and background noise. Additionally, ASHA notes that the hearing aid microphone can be turned off, so the student can concentrate on the teacher alone.

Sip-and-Puff Systems:

Sip-and-puff systems are used by students who have mobility challenges, such as paralysis and fine motor skill disabilities. These systems allow for control of a computer, mobile device or some other technological application by the child moving the device with his or her mouth. Similar to a joystick, the child can move the controller in any direction and click on various navigational tools using either a sip or a puff. An on-screen keyboard allows the child to type using the same movements.

Sip-and-puff systems are a type of switch device, which refers to the technology used to replace a computer keyboard or mouse. Other switch devices include buttons or other objects that a student can touch, push, pull, kick or perform some other simple action that can then control the device.

PROJECT REPORT

ON

Waste Management Technologies

Submitted By

GATTEM YUKTHA MUKHI
Reg No: 19U41A0518

GEDELA BHAVANA RESHMA
Reg No: 19U41A0519

GONNABATHULA PAVAN SAI
Reg No: 19U41A0520

GUDIPATI SRILASYA
Reg No: 19U41A0521

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Mr.CH.Dinesh

Waste Management Technologies

Waste-to-Energy

Generating actual power from waste is one of the major innovations in the waste management industry. This technique aims to convert waste into energy in place of the accumulation of waste in the landfills. Digesters produce the biogas from different sorts of waste such as food, agriculture, etc. and transform that into the energy utilized on-site.

Within the waste-to-energy innovation concept, it is super important to mention thermal energy conversion. Broadly speaking, this technology is based on the change in heat and pressure and works well to turn waste into chemicals, fertilizers, oils, etc. Aside from that, the microturbines, burning waste gas to create power and heat, already became a substitute for traditional methods for landfill processes.

Software for Waste Management Companies

Today, a great number of prominent firms reap the benefits of SaaS (Software-as-a-Service) offering advanced digitized platforms for the most efficient waste management process. These platforms refer to facilitating solutions to cope with industrial challenges and amplify the performance.

Though several solutions are provided by **waste management software**, the most crucial ones are as follows:

- Central management & control
- Operational efficiency & improved service quality
- Immediate intervention capability through real-time alerts
- Increased employee productivity
- Increased customer and citizen satisfaction

Robot Recyclers

While talking about innovation, we cannot skip the robotic technology that has become the top trend in the last decades. After the import of recycling waste products was restricted by China in 2018, western companies expedited their innovative steps to integrate robotic technology in a better processing capability. Furthermore, researchers in numerous companies and universities highlight a more than $6 billion environmental service gap in the recycling industry and indicate robotic technology is a potential solution to fill this gap. All these institutions strive to develop more AI-enabled robotics that can assist in controlling quality, sorting recyclables, and minimizing the health risks to human work teams.

Currently, several companies produce robotic solutions for recycling efforts. As stated by the producer firms, the investments are mainly focused on improving the quality of shipped secondary commodities and reducing labor costs on the sorting line.

Internet of Things (IoT)

The leverage of the Internet of Things (IoT) and cloud computing technology provide high-tech sensors and enable waste management companies to optimize hauling routes and timing data. Throughout the process, haulers identify where full waste containers are located and when should they be collected. This technology lets customers collect waste from full containers. In fact, IoT aims to boost efficiency and save money by reducing unnecessary pickups.

The GPS monitoring system is a great innovation as well as sensors. As data is the key in today's world, waste companies utilize the computer algorithms collecting information associated with the most efficient routes based on the distance and traffic patterns. All areas including residential routes, industrial waste pickup, construction containers, and smart bins can seize the opportunity of merging with such an innovative tool.

Waste-to-Raw Material

The search to reuse waste in a productive manner and innovations in that regard have been markedly increasing. Companies turn waste products into a source of raw material by extracting plastics and cellulose fiber. Autoclave sterilization technology is essential within this operation. Autoclaves are used as heat treatment processing units to destroy microorganisms before disposal.

Self-Driving Trucks

Despite the fact that it's still in the development phase, autonomous waste pickup is close to being implemented. As known, Volvo has been working on this technology for 3 years. Uber became its partner and participated in the research and development process. This system targets a truck maneuvering itself whilst the operator gets out for collecting the garbage. Gear changing, steering, and speed are also optimized for low fuel consumption and emissions.

"Our self-driving refuse truck is leading the way in this field globally, and one of several exciting autonomous innovations we are working with right now" explains Lars Stenqvist, Chief Technology Officer, Volvo Group. Additionally, Stenqvist states this new technology provides benefits for a reduction in the risk of occupational injuries.

Robotic Trash Cans

Robotic wheeled trash containers that roll out on their own at the push of a button are an example of the greatest innovations. This innovation is especially helpful for those with limited mobility and motor skills.

Another invention in this category is motorized garbage bins with wheels which take themselves to the curb. They were programmed to travel from a docking station at a person's residence to a second docking station at the curb. The innovators also add a function in this invention to be scheduled for the time and day of the neighborhood's trash pickup.

PROJECT REPORT

ON

Navigator Based on Pedestrian Tracking and GPS for Visually Impaired People (iOS Application)

Submitted By

GUTTHIKONDA LOKESH
Reg No: 19U41A0522

JAYANTHI SAI BHARGAVI
Reg No: 19U41A0523

JYOTHULA PREETHI PRASUNA
Reg No: 19U41A0524

KADIMI LIKHITHA SAI
Reg No: 19U41A0525

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

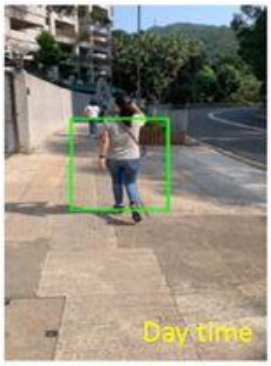
Mr.Y.Dinesh Kumar

Navigator Based on Pedestrian Tracking and GPS for Visually Impaired People (iOS Application)

Purpose: Navigator Based on Pedestrian Tracking and GPS for Visually Impaired People (iOS Application)" ("The Navigator") aims to offer a reliable guiding assistance for visually impaired people. Currently, visually impaired people always need guiding tools like tactile sticks or guide dogs when navigating outdoor. However, the number of guide dogs is limited and the tactile stick cannot provide accurate and informative feedback to the users. As technology advances, smart devices with AI technology can be combined and act as a new generation of guiding devices.

Method: The Navigator will use user's GPS location to plan a route from user's location to the destination, then the Navigator start uses the camera on the mobile device and an object tracking AI model to guide the user to follow pedestrian who is heading to the same destination. Whenever the pedestrian being followed is found not sharing the same destination as the user does, the Navigator will choose another pedestrian. Furthermore, the main feedback medium for guiding the users' direction is haptic. Sound is only used when sending complicated or dangerous messages to the user.

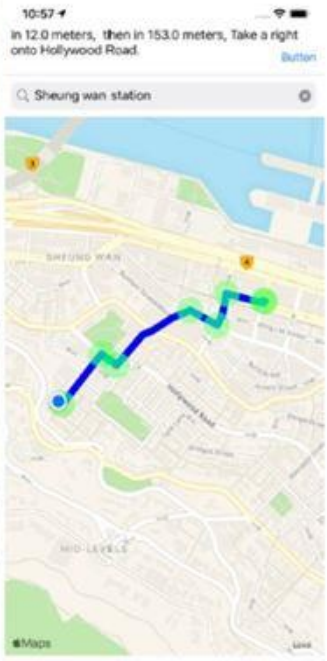
Result: The Navigator is able plan a route from user's location to destination, follow a pedestrian ahead of user and provide appropriate feedbacks to the user. Significance The Navigator integrated with advanced software technologies and a single hardware, the smart mobile device, can potentially provide a low cost temporary replacement for visually impaired people while they are waiting for their own guide dog. Therefore the Navigator may help visually impaired people utilize social resources and services more efficiently during their waiting time, hence better the inclusion of visually impaired people to our society.


Day time


Night time


Sunny day


Rainy day


10:57
In 12.0 meters, then in 153.0 meters, Take a right onto Hollywood Road.
Button
Sheung wan station
Maps

PROJECT REPORT

ON

Localization in the MTR for the Visually Impaired

Submitted By

KALAGA PRIYA
Reg-No: 19U41A0526

KALLLA SHYAM KUMAR
Reg-No: 19U41A0527

KANDIKUPPA ANJANA LOKESH
Reg-No: 19U41A0528

KANDREGULA YOGITHA
Reg-No: 19U41A0529

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Mrs.K.Komali

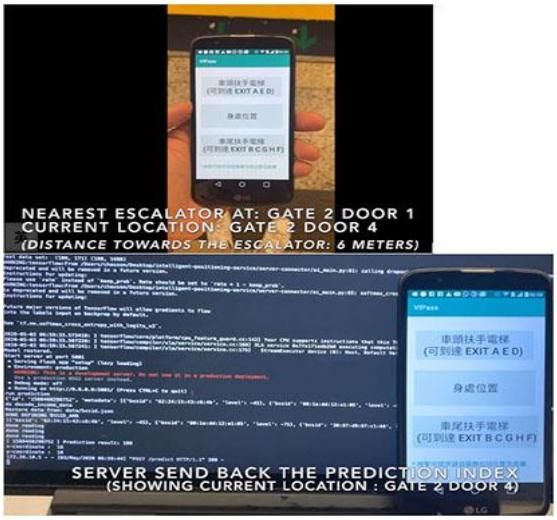
Localization in the MTR for the Visually Impaired

Project Description:

In MTR station, some aids are provided for visually impaired people (VIP) to navigate there. However, it may not fulfill all the needs for the VIP because of the complicated structure of the stations.

Considering this problem, we propose to use deep neural networks to train a model by Wi-Fi signals and develop an android app to help VIP locate their position and the facilities at the MTR platform. Several functions such as distance between the nearest elevator and user position would be provided in the apps with voice feedback.

Software / Hardware Available:
Android Application



PROJECT REPORT

ON

An App to help the Visually Impaired People to Read Music Sheets

Submitted By

KANISETTI MEGHANA
Reg-No: 19U41A0530

KARANAM SOMESWARI
Reg-No: 19U41A0531

KARANAM VISHAL
Reg-No: 19U41A0532

KARRI DIVYA
Reg-No: 19U41A0533

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

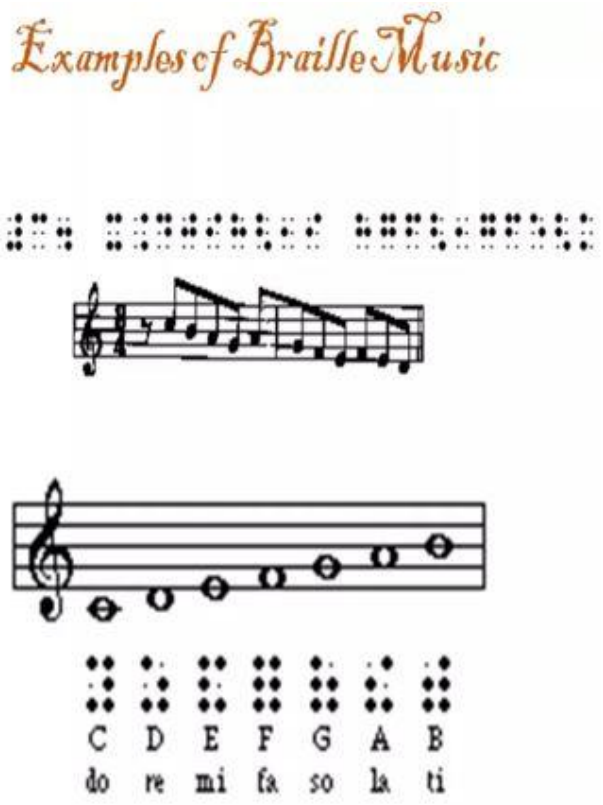
Mrs.T.Sujatha

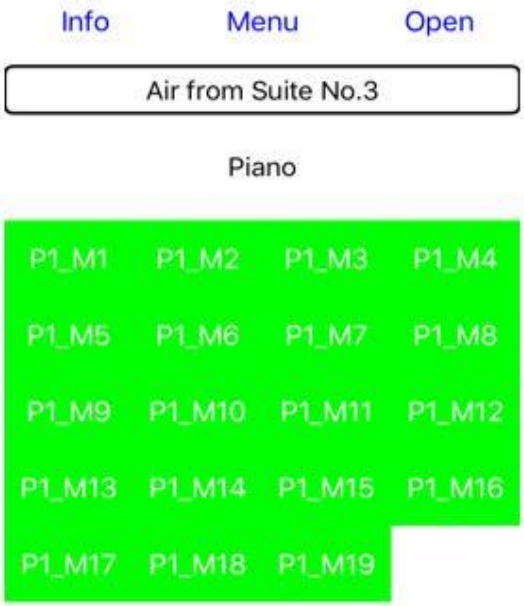
An App to help the Visually Impaired People to Read Music Sheets

Project Description:

This project aims to design an iOS App to help the Visually Impaired People (VIP) to read music sheets. At present, the VIPs need to convert music sheets to braille before they could read them which is very inconvenience and expensive. Through this application, the VIPs can read music sheets via VoiceOver, an inherent accessibility on iOS, when they touch the screen, as if they are reading paper music sheets in braille format.

Software / Hardware Available:
Prototype of an App





PROJECT REPORT

ON

Real-time Outdoor Objects Recognition and Distance Detection for Visually Impaired People

Submitted By

KARRI VARUN KUMAR
Reg-No: 19U41A0534

KATTAMURI SATYAVATHI
Reg-No: 19U41A0535

KATTAMURI VSN SAILAJA
Reg-No: 19U41A0536

KOLLI SATISH
Reg-No: 19U41A0537

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Mrs.A.Kamala Priya

Real-time Outdoor Objects Recognition and Distance Detection for Visually Impaired People

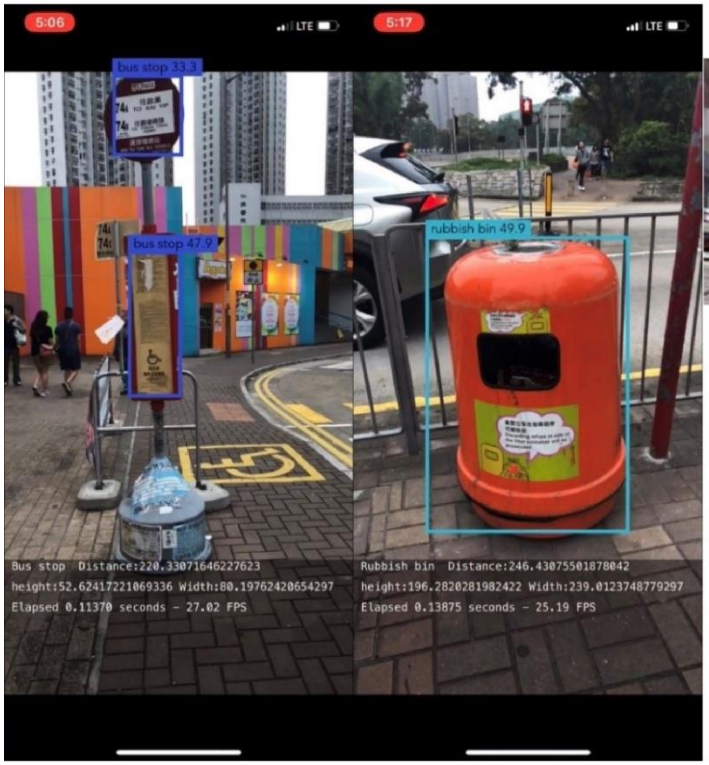
Project Description:

According to the World Health Organization, there are 257 millions of people with visual disabilities. Among them, 217 million have moderate to severe vision impairment and 36 million are totally blind. According to another study, low mobility is one of the major daily life problem encountered by the visually impaired. Walking on unfamiliar roads can be challenging and possibly dangerous for them. Currently, there are existing applications designed for helping the visually impaired. For example, Microsoft has employed image recognition technology in their Seeing AI application to identify different scenes, colors and emotions.

Another application, TapTapSee, describe objects in a photo or short video from user's smart phone camera. The application uses "Cloud Sight Image Recognition API" in the pre-processing stage hence the images are able to return correct description even if the picture was taken under narrowed angles or poor lighting conditions. However, majority of the existing application on smart phone are not designed for identifying outdoor objects, and their processing speed are quite slow due to the high latency of cloud computing, combined with issues such as lacking distance detection. The existing applications fail to provide timely notifications regarding the objects surrounding the individual.

The objective of this project is to develop an offline smart phone application that performs real-time object recognition and distance detection on common outdoor objects. The application aims to create a low cost and real time application to minimize stress and the risk for visually impaired people when walking around unfamiliar locations.

Technology Available:
IOS Application "SeePath"


5:06
LTE
bus stop 33.3
bus stop 47.9
Bus stop Distance:220.33071646227623
height:52.62417221069336 Width:80.19762420654297
Elapsed 0.11370 seconds - 27.02 FPS
5:17
LTE
rubbish bin 49.9
Rubbish bin Distance:246.43075501878042
height:196.2820281982422 Width:239.0123748779297
Elapsed 0.13875 seconds - 25.19 FPS


16

PROJECT REPORT

ON

BAMBOO CYCLE

Submitted By

KOGANTI JAI VENKATA PRAKASH
Reg-No: 19U41A0538

KOLASANI LOKESH
Reg-No: 19U41A0539

KOLLI VENNELA
Reg-No: 19U41A0540

KONA PRASANTH
Reg-No: 19U41A0541

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Mrs.V.Manasa

BAMBOO CYCLE

Problem Definition

Bicycles offer a healthy, eco-friendly and affordable means of transportation. Although they are much cheaper than other vehicles, their cost is still prohibitive for most people in developing countries.

Uniqueness

Bamboo bicycles are available in a few countries, most notably, the USA. This product represents one of the few attempts in India. Besides being eco-friendly and affordable, bicycles made of bamboo offer excellent ride.

Solution

Making the frames out of bamboo, a fast-growing, sustainable and ubiquitous materal could reduce the cost of the bicycles.

PROJECT REPORT

ON

Page Flipper

Submitted By

KONATHALA JASWANTH ADITYA
Reg-No: 19U41A0542

KONATHALA LOHITHA
Reg-No: 19U41A0543

KONATHALA MOWNIKA
Reg-No: 19U41A0544

KOPPAKA SRI GANESH
Reg-No: 19U41A0545

For the Degree of

Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Dr.M.Srinivas

Page Flipper

Problem Definition

This device has primarily been aimed at the differently-abled section of the society who require help of others to flip pages of books every time they read. This enables them to get a feeling of reading from a book like any other person as opposed to alternate methods like

- Getting assistance from parents/care taker or hire personnel to turn pages
- e-book reading

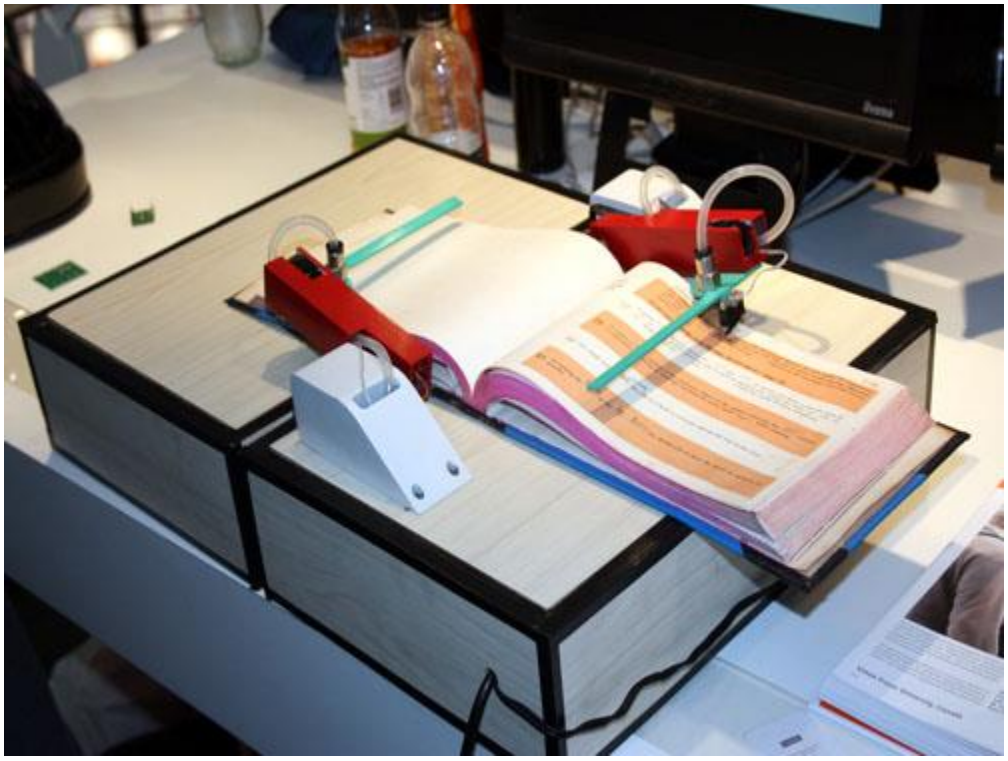
Solution

The Page Flipper is a simple, economical and effective device that can flip pages of any book, one at a time, in both directions and without the use of hands.

It has been designed to help flip pages of any book, one at a time in both directions without the use of hands. It works with books of any paper quality or size and once preset, it can be activated either using a pair of foot switches or voice recognition(This version is yet to be released).

Uniqueness

This product is quite economical as the solutions available in the market are very expensive and not affordable to the common man. One version of this product would help the musicians flip pages of their notes while they play their instrument. This product can also be used for automatically turning and scanning pages of old literature in libraries and for the benefit of patients in hospitals.



PROJECT REPORT

ON

E-PLASTIC MANAGEMENT SYSTEM

Submitted By

KOTTAPU BHANU PRAKASH
Reg-No: 19U41A0546

KURMADASU SUPRIYA
Reg-No: 19U41A0547

MADAGALA NAVEEN
Reg-No: 19U41A0548

MALLA YOGITHA
Reg-No: 19U41A0549

For the Degree of

Bachelor of Technology
Computer Science Engineering

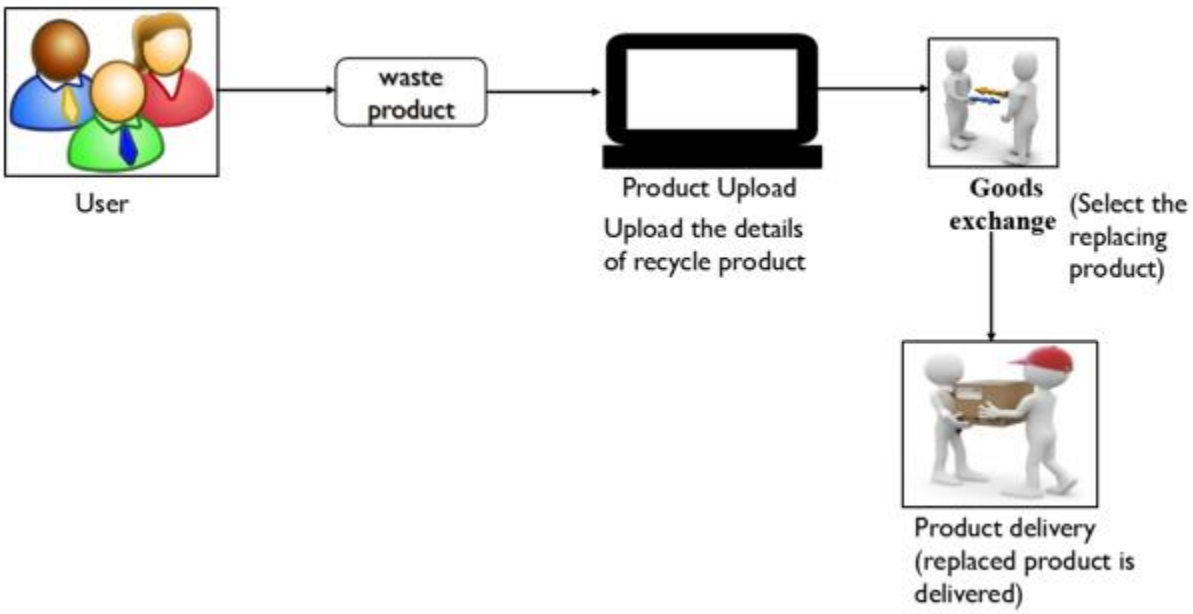
Under the Guidance of

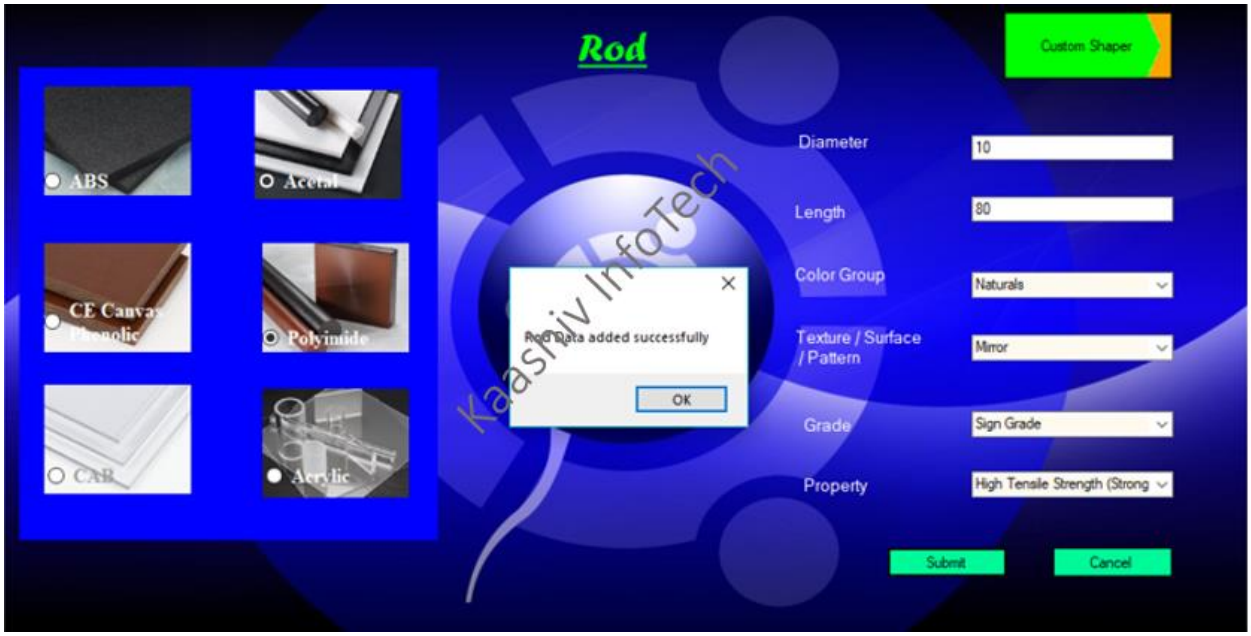
Mrs.V.V.Kalyani

E-PLASTIC MANAGEMENT SYSTEM

E-Plastic management system is an website project in the project we are used to recycle the waste plastic. It is very helpful in order to overcome the wastage issues of the plastics. The user can able to view the list of plastic categories based on their shapes they can choose any of it. The admin used to maintain all the records. Admin also can view the users details add details of product and can also able to update the changes in the details.The management and recycling of E plastic waste is rapidly growing as it is a valuable resource of industries and it is very substances and with low recycling rate. The Utilization of e plastic waste materials is a partial solution to environmental and ecological problems. As the use of E plastic waste will reduces the Aggregate cost and provides a good strength for the structures and roads. It will reduces the landfill cost and it is energy saving. The e plastic waste consists of discarded plastic waste; these plastics are non-biodegradable components of E plastic waste as a partial replacement of the coarse or fine aggregates.

ARCHITECTURE DIAGRAM




Rod
Custom Shaper
ABS
Acetal
CE Canvas Phenolic
Polyimide
CAB
Acrylic
Diameter
10
Length
80
Color Group
Naturals
Texture / Surface / Pattern
Mirror
Grade
Sign Grade
Property
High Tensile Strength (Strong
Submit
Cancel
Rod Data added successfully
OK
Kaashiv InfoTech

PROJECT REPORT

ON

CROP MANAGEMENT SYSTEM

Submitted By

MARADAPA BHARGAVI
Reg-No: 19U41A0550

MOHAMMED ADIL RAZA QUADRI
Reg-No: 19U41A0551

VISWANADHAPALLI SHALEM
Reg-No: 19U41A0552

MUDDA SAI CHANDRA
Reg-No: 19U41A0553

For the Degree of

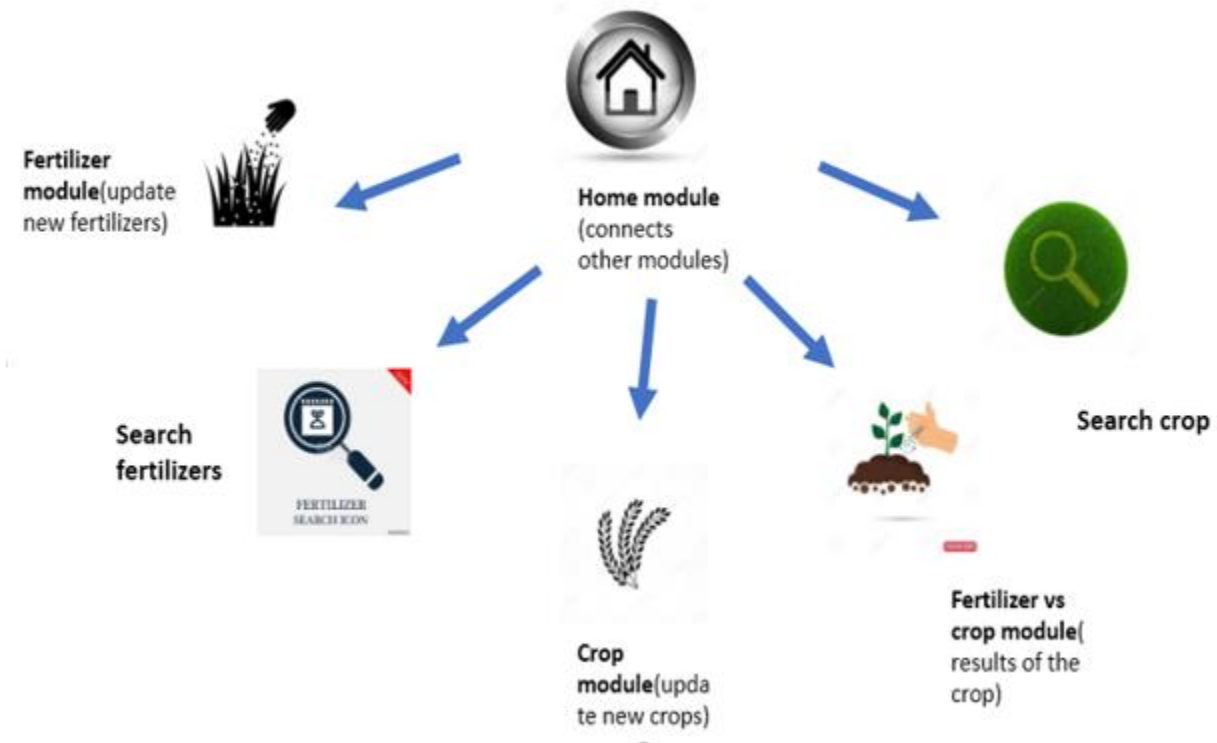
Bachelor of Technology
Computer Science Engineering

Under the Guidance of

Mrs.G.Sujatha

CROP MANAGEMENT SYSTEM

The crop is basic reason of production of food and raw material, which eventually is reason of survival of the population. In Indian most of the population is dependent on crops. However, there is also need to review and revitalize the mechanism for updating the technology. In the upcoming years agriculture will see major changes. The main purpose for such project is to develop a mobile phone-based solution that helps in crop management, leads to agricultural yield improvement and helps in care/maintenance of the crops. The large amount of crop is getting damage in the field due to the bacterial attacks and lack of information resources. Annually, such loss exceeds 40% in total. So, the project presented here suggest various ways in which a farmer can utilize on their handsets using application called “crop management system”, to assist them for relatively better cultivation and merchandise. Our proposed crop management system application will provide the details about customer and farmer and also it avoids the third party buyer problem which cause problem for farmers. This project used to search for fertilizer and cultivate crop. This helps to update the fertilizer and crop and cultivate. And shows the result of the crop cultivated.



DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC Accredited Institute

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

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

Phone: 9963981111, e-mail:info@diet.edu.in

1.IoT based Weather Monitoring system using Raspberry Pi

19U41A0401	Guide Name Mrs.D.L.Mythri,Asst.Professor
19U41A0403	
19U41A0405	
19U41A0407	
19U41A0410	
19U41A0412	

Abstract

Internet of Things (IoT) has provided a promising opportunity to build powerful industrial systems and applications by leveraging the growing ubiquity of RFID, wireless, mobile and sensor devices. A wide range of industrial IoT applications have been developed and deployed in recent years. The advancement of Automation technology, life is getting simpler and easier in all aspects. In today's world Automatic systems are being preferred over manual system. With the rapid increase in the number of users of internet over the past decade has made Internet a part and parcel of life, and IoT is the latest and emerging internet technology. Internet of things is a growing network of everyday object-from industrial machine to consumer goods that can share information and complete tasks while you are busy with other activities. This work proposes that the industrial monitoring by using Gas sensor, Temperature sensor, MEMS, Piezoelectric Sensor values to read the value and monitoring using Thingspeak system via Raspberry Pi.

ThingSpeak is an application platform for the Internet of Things. ThingSpeak allows to build an application around data collected by sensors. At the heart, ThingSpeak is a Channel where sent data to be stored. Each channel includes 8 fields for any type of data, 3 location fields, and 1 status field. Once ThingSpeak Channel is created, data can be published to the channel, can be processed and application can retrieve the data.

Existing System

- Manually Monitoring the Industrial application
- By using the GSM technology, it will take more time to get the exact situation
- CCTV camera monitoring is possible but can't able to sense the gas, temperature, and position of the valves.

Proposed System

- The Internet of Things is regarded as the third wave of information technology after Internet and mobile communication network, which is characterized by more thorough sense and measure, more comprehensive interoperability and intelligence.
- IoT Consumes the time and monitoring the exact situation.

Hardware

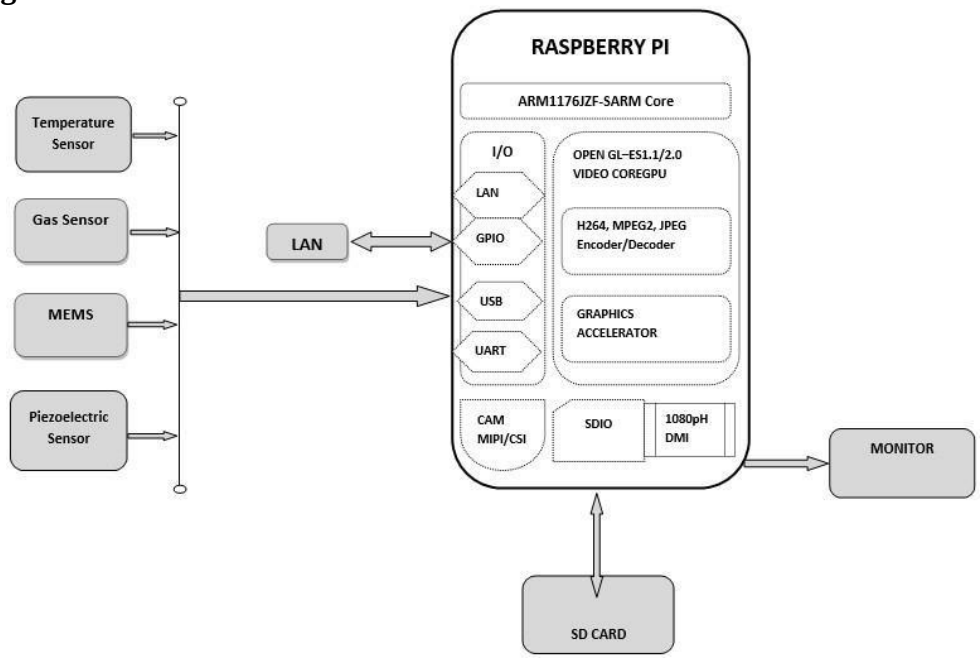
- Raspberry Pi
- Temperature Sensor

- Gas Sensor
- MEMS Sensor
- Piezoelectric Sensor

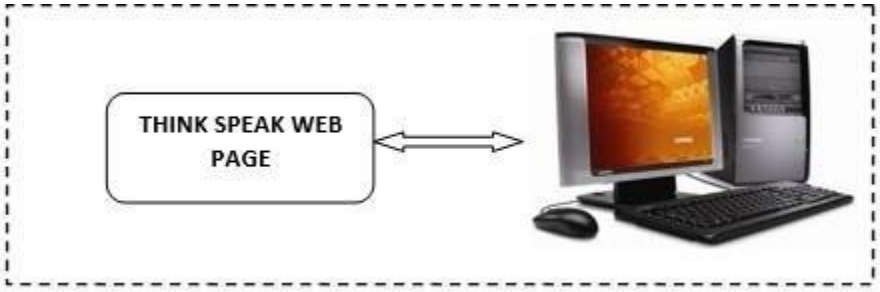
Software

- OS: Raspbarian OS
- Python Language

Block Diagram



Monitoring Section



Advantages

- Decreased field damaging conditions
- Improved safety and security
- High quality receiving data
- Less power consumption
- High speed data rate

Applications

- Industry Monitoring
- Home Automation
- Medical Industry

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC Accredited Institute

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

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

Phone: 9963981111, e-mail:info@diet.edu.in

2. IoT based Health Monitoring System using Node MCU

19U41A0402	Guide Name Mrs. Archana BT, Asst.Professor
19U41A0404	
19U41A0417	
19U41A0422	
19U41A0433	
19U41A0432	

Abstract

This work introduces a wireless health monitoring system that can monitor a human 24x7. Controlling and data processing is done through the NodeMCU ESP8266 board, all the sensors are connected to NodeMCU ESP8266. Through this system, we can measure ECG, heartbeat, BP, and temperature. Through sensors, it is possible to measure all these values. Here all the sensors are powered using USB. The analog sensors can be connected to MCP3008 through any of the eight analog pins. These values are then used for detecting any critical situation. In the case of a critical situation, an alert value displayed in Thingspeak. Also, it is possible to monitor the person's health from any location in the world through the Thingspeak cloud. Data from sensors is uploaded to the Thingspeak periodically without any interruption if the internet is available. Here NodeMCU ESP8266 is used for connecting the internet.

Introduction

Health is the most important part of any human's life without health it is useless to any treasure of life. Most humans live a busy life in which going to a doctor for weekly or even monthly checkup is an impossible task. Without monitoring health it is not possible to judge whether a person is healthy or sick. This problem leads to the design of a product which monitors health every day without going to a doctor. In this work, a system is designed as a prototype for monitoring alerting based on the health of a person. This system is fully automated little or no human help is needed. Any doctor can monitor the person from anywhere through the internet.

Existing System

- Diagnosing with the help of a doctor
- Conventional devices that can only measure a particular parameter
- Devices that have to be connected invasively to get measurements
- No automated system exists
- Smart watches are expensive and not specifically for healthcare

Proposed System

- In this work, a system for 24x7 human health monitoring is designed and implemented
- In this system, the NodeMCU ESP8266 board is used for collecting and processing all data

- Different sensors are used for measuring different parameters
- All this data is uploaded toThingspeak for remote analysis
- A nodeMCU ESP8266 module is used for connecting to the internet

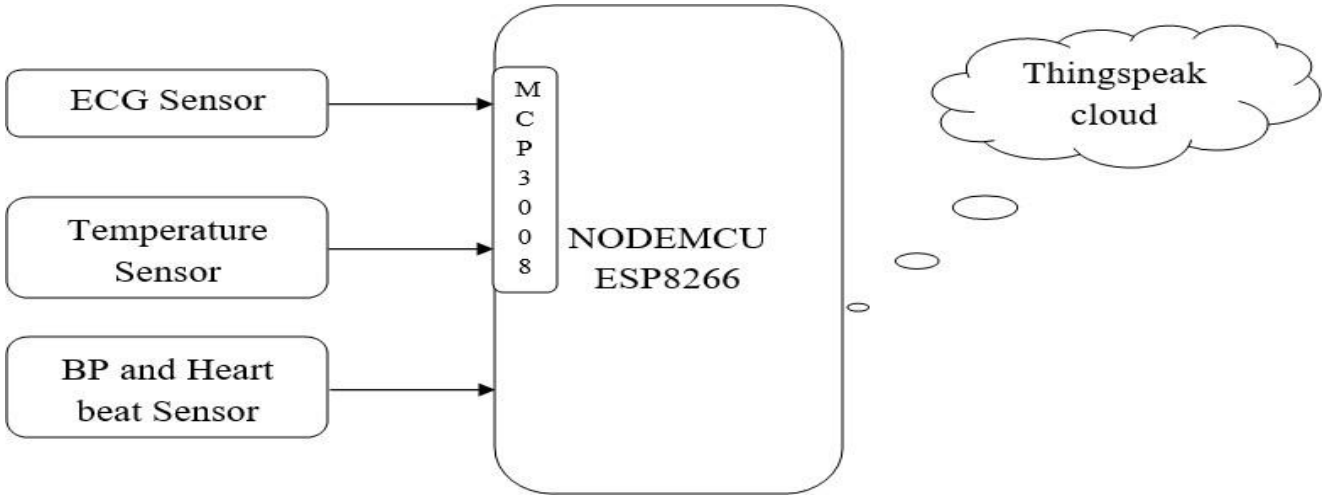
Hardware Required

- NodeMCU ESP8266
- ECG Sensor
- Heartbeat Sensor
- BP Sensor
- Temperature Sensor

Software Required

- Arduino IDE

Block Diagram



Block Diagram Description

- NodeMCU ESP8266 is the controller board which is a heart-whole system
- All the different analog sensors are connected through MCP3008 analog pins
- Here the NodeMCU ESP8266 connects the whole system to a Wi-Fi network
- Data from sensors are uploaded to the cloud

Conclusion

This system is very effective in monitoring a person's health continuously because it is fully automated. It can be tested very easily with any person. This system is a very good example of remote health monitoring.

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC Accredited Institute

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

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

Phone: 9963981111, e-mail:info@diet.edu.in

3. Smart Irrigation System using IoT and cloud

19U41A0406	Guide Name Ms. S Shabeena, Asst.Professor
19U41A0416	
19U41A0420	
19U41A0425	
19U41A0430	
19U41A0438	

Abstract

This work presents the development of a smart sensor based environment monitoring system, in remote villages especially for crop fields. Basically, it is difficult to monitor the environment, weather all the time, so this work is proposed to monitor the weather and any environment changes using IoT through SMTP and MQTT which having some sensors like Temperature sensor, Moisture sensor, Gas sensor and LDR which measures respective parameters throughout the day. At the same time sensors are not having ability to predict the weather accurately, so weather cloud is used to know the current weather and climate change yet to happen, like every weather information is monitored, when there are any chances of rain in weather cloud then the camera gets triggered and capture the image of the atmosphere with the data log of current weather logs and upcoming weather logs are sent to mail by the user. And also parameters measured by sensors are sent through MQTT protocol, which having the common node, whenever MQTT client comes into the network, not only the current data log, but also the old data also sent to that MQTT client which has high speed transmission.

Introduction

Beginning with the quote “SAVE THE AGRICULTURE”, main factor of agriculture is to predict the climatic changes, here we are using IoT for monitoring the weather as well as atmospheric changes throughout the crop field by having several systems in different fields as clients, which is getting reported every time to the server, about the current atmospheric change at that every certain place. So that, watering and pesticides can be served based on the conditions of the field.

Existing system

In the existing system, all weather predictions and environmental change are done manually and they are using WSN for the communication, it is actually slower than MQTT so that transmission occurs slowly which also may cause a collision, when client is disconnected unexpectedly.

Proposed system

In this proposed system, both sensors and weather forecasting cloud is used, so that resulting data having high accuracy about the environment, also using MQTT (Message Queuing Telemetry Transport) which is very much faster than WSN, yields good result. By this system all

gets processed automatically, if there is any possibility of rain in weather cloud, then the current climatic conditions and upcoming possibilities of rain data log and also the current image of the environment will be sent to the user's mail. At that time sensor's data were sent to the MQTT client, whenever the client comes into the network, they will receive that data.

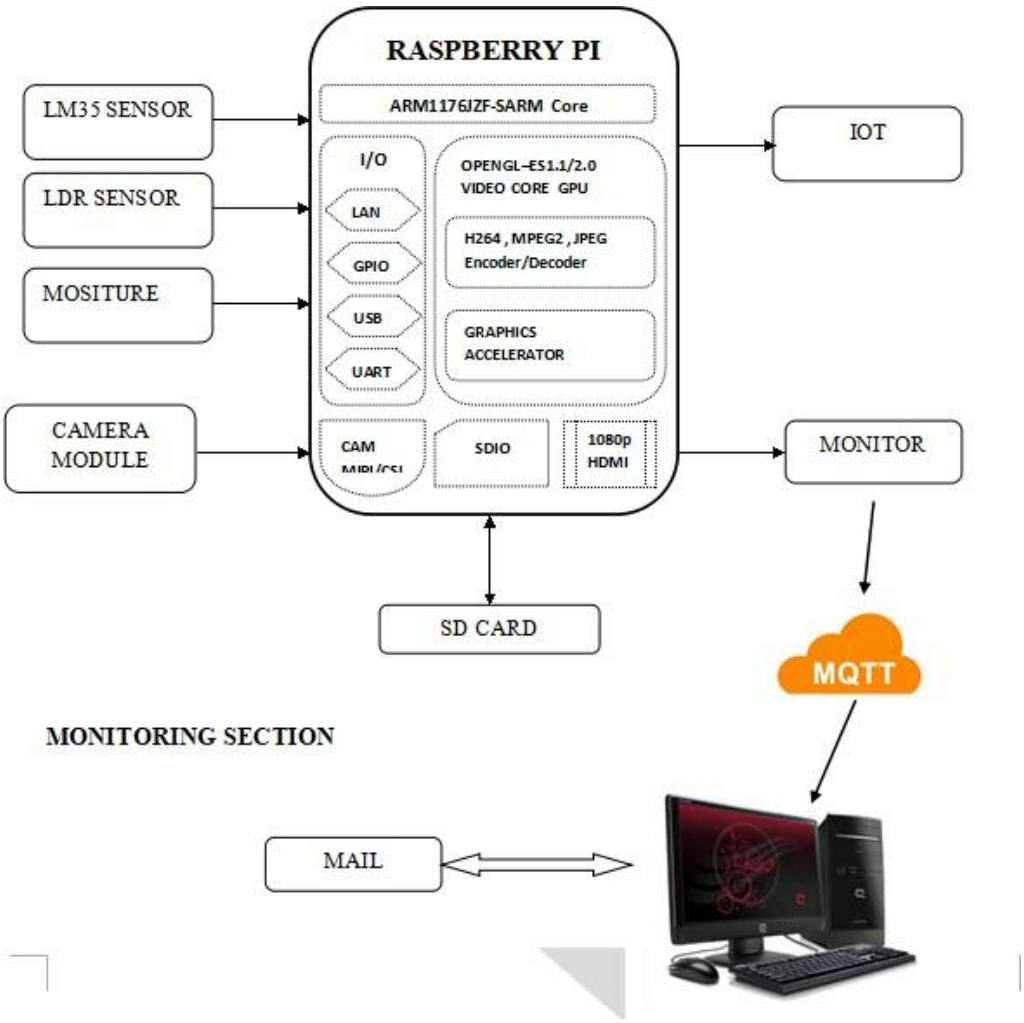
Hardware required

- Raspberry Pi
- Temperature (LM 35)
- LDR
- Moisture Sensor
- Smoke sensor
- MCP3008 (ADC IC)
- USB Camera
- SD card
- Monitor

Software required

- Raspbarian Jessie

Block diagram



Block diagram

- In this work, MCP3008 is used, so connect 3.3v pin from raspberry to all sensors
- Similarly MCP3008 and all sensor's ground pins should be grounded
- Now connect the sensor's output pins to each channel of MCP3008 (ex: LM-35 to channel 0, LDR to channel 1 and Moisture sensor to channel 2 of MCP3008)
- Connect USB camera with raspberry pi
- Connect power supply for Raspberry pi
- Plug the HDMI cable in Raspberry pi from the monitor using VGA to HDMI converter cable
- Connect USB Mouse and USB keyboard to the Raspberry pi
- PHP
- MQTT Protocol
- Language – Linux
- Python

Conclusion

According to this system, irrigation system becomes more autonomous with quick transmission of data by using MQTT protocol. The main advantage in MQTT protocol is, even when clients are not in the node network, data will be sent, whenever a client is connected with that node, they can able to see the data which has been sent already. So that, they can able to analyze the atmospheric change throughout every day.

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC Accredited Institute

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

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

Phone: 9963981111, e-mail:info@diet.edu.in

4. IoT based Smart Waste Management System using Arduino

19U41A0409	Guide Name Mrs. P Amrutha, Asst.Professor
19U41A0413	
19U41A0415	
19U41A0421	
19U41A0424	
19U41A0426	

ABSTRACT

In this work, a system is introduced to manage waste in big cities effectively without having to monitor the parts 24x7 manually. Here the problem of unorganized and non-systematic waste collection is solved by designing an embedded IoT system that will monitor each dumpster individually for the amount of waste deposited. Here an automated system is provided for segregating wet and dry waste. A mechanical setup can be used for separating the wet and dry waste into separate containers here sensors can be used for separating wet and dry. For detecting the presence of any waste wet or dry can be detected using an IR sensor in the next step for detecting wet waste a moister sensor can be used. In this process, if only IR is detected motor will rotate in the direction of the dry waste container if both the sensor detects the waste then it will go to the wet container. Both these containers are embedded with ultrasonic sensors at the top, the ultrasonic sensor is used for measuring distance. This makes it possible to measure the amount of waste in the containers if one of the containers is full then an alert message will be sent to the corresponding person.

INTRODUCTION

Today big cities around the world are facing a common problem, managing the city waste effectively without making city unclean. Today's waste management systems involve a large number of employees being appointed to attend a certain number of dumpsters this is done every day periodically. This leads to a very inefficient and unclean system in which some dumpsters will be overflowing some dumpsters might not be even half full. This is caused by variation in population density in the city or some other random factor this makes it impossible to determine which part needs immediate attention. Here a waste management system is introduced in which each dumpster is embedded in a monitoring system that will notify the corresponding personal if the dumpster is full. In this system, it is also possible to separate wet and dry waste into two separate containers. This system provides an effective solution to the waste management problem

EXISTING SYSTEM

- Manual systems in which employees clear the dumpsters periodically
- No systematic approach towards clearing the dumpsters
- Unclear about the status of a particular location

- Employees are unaware of the need for a particular location
- Very less effective in cleaning city

PROPOSED SYSTEM

- In this work, a 24x7 monitoring system is designed for monitoring dumpsters
- Here a smart and organized system is designed for selective clearing
- The ultrasonic sensor is used for measuring the level of waste in the dumpster
- DC motor powered platform is used for segregating wet and dry waste
- IR sensor and moisture sensor is used for separating wet and dry waste
- If either of the containers is full then an alert message is sent from the dumpster
- In turn, employees can clear the corresponding dumpster
- All these sensors are connected to an Arduino UNO board
- It can be used for controlling all mechanical setup based on current conditions

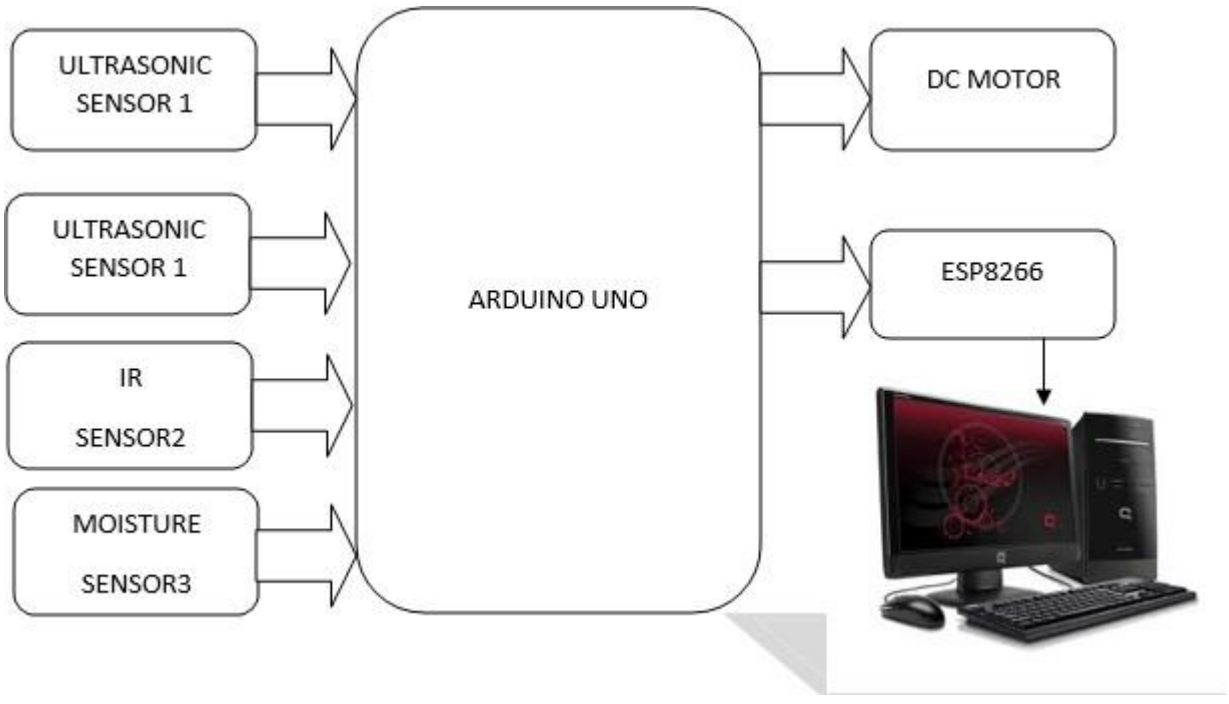
HARDWARE REQUIREMENTS

- Arduino UNO
- Ultrasonic Sensor
- IR Sensor
- Moisture Sensor
- Dc Motor

SOFTWARE REQUIREMENTS

- Arduino IDE

BLOCK DIAGRAM



BLOCK DIAGRAM DESCRIPTION

- Ultrasonic sensor Sensors measure distances by using ultrasonic waves. The sensor emits an ultrasonic wave and receives the reflected wave back from the target.
- IR Sensor emits in order to sense some aspects of the surroundings.
- Moisture Sensor measures the volumetric water content in the soil. ... Reflected microwave radiation is affected by the soil moisture and is used for remote sensing hydrology and agriculture.
- DC motor which is connected to the digital pins of Arduino
- Serial monitor for the display

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC Accredited Institute

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

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

Phone: 9963981111, e-mail:info@diet.edu.in

5. Greenhouse Monitoring and Control System using IOT Project

19U41A0429	Guide Name Mr. Jagan Mohan Panigrahi Asst.Professor
19U41A0408	
19U41A0419	
19U41A0427	
19U41A0431	
19U41A0434	

Abstract

A green house is where plants such as flowers and vegetables are grown. Greenhouses warmup during the day when sun-rays penetrates through it, which heats the plant, soil and structure. Green houses help to protect crops from many diseases, particularly those that are soil borne and splash onto plants in the rain. Greenhouse effect is a natural phenomenon and beneficial to human being. Numerous farmers fail to get good profits from the greenhouse crops for the reason that they can't manage two essential factors, which determines plant growth as well as productivity. Green house temperature should not go below a certain degree, High humidity can result to crop transpiration, condensation of water vapour on various greenhouse surfaces, and water evaporation from the humid soil. To overcome such challenges, this greenhouse monitoring and control system comes to rescue. This Work demonstrates the design and implementation of a various sensors for greenhouse environment monitoring and controlling. This greenhouse control system is powered by Atmega328 microcontroller it consists of temperature sensor, light sensor, soil moisture sensor, LDR sensor, LCD display module, 12v DC fan, Bulb and pump. Temperature sensor senses the level of temperature, if it goes high DC fans gets on and when the temperature goes low the fan gets off. Soil moisture sensor, senses the water level as the level decreases the pumps gets on. In the absence of light, the LDR sensor senses and the bulb start glowing. By this way it will become easy to monitor and control the system.

Hardware Specifications:

- At mega Controller
- WIFI
- Moisture Sensor
- Light Sensor
- Temperature Sensor
- LCD
- DC FAN
- Bulb holder
- AC Pump
- Crystal Oscillator
- Resistors
- Capacitors

- Transistors
- Cables and Connectors
- Diodes
- PCB and Breadboards
- LED
- Transformer/Adapter
- Push Buttons
- Switch
- IC
- IC Sockets

Software Specifications:

- Python
- MC Programming Language: C
- IOT Gecko

Block Diagram:

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC Accredited Institute

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

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

Phone: 9963981111, e-mail:info@diet.edu.in

6. IOT Early Flood Detection & Avoidance

19U41A0429	Guide Name Mr. R Suneel Asst.Professor
19U41A0408	
19U41A0419	
19U41A0427	
19U41A0431	
19U41A0434	

Abstract:

"IoT Early Flood Detection & Avoidance System" is an intelligent system which keeps close watch over various natural factors to predict a flood, so one can embrace themselves for caution, to minimise the damage caused by the flood. Natural disasters like a flood can be devastating leading to property damage and loss of lives. To eliminate or lessen the impacts of the flood, the system uses various natural factors to detect flood. The system has a wi-fi connectivity, thus it's collected data can be accessed from anywhere quite easily using IoT.

To detect a flood the system observes various natural factors, which includes humidity, temperature, water level and flow level. To collect data of mentioned natural factors the system consist of different sensors which collects data for individual parameters. For detecting changes in humidity and temperature the system has a DHT11 Digital Temperature Humidity Sensor. It is an advanced sensor module with consists of resistive humidity and temperature detection components. The water level is always under observation by a float sensor, which works by opening and closing circuits (dry contacts) as water levels rise and fall. It normally rest in the closed position, meaning the circuit is incomplete and no electricity is passing through the wires yet. Once the water level drops below a predetermined point, the circuit completes itself and sends electricity through the completed circuit to trigger an alarm. The flow sensor on the system keeps eye on the flow of water.

The water flow sensor consists of a plastic valve body, a water rotor, and a hall-effect sensor. When water flows through the rotor, rotor rolls. Its speed changes with different rate of flow. The system also consists of a HC-SR04 Ultrasonic Range Finder Distance Sensor. The Ultrasonic sensor works on the principle of SONAR and is designed to measure the distance using ultrasonic wave to determine the distance of an object from the sensor. All the sensors are connected to Arduino UNO, which processes and saves data. The system has wi-fi feature, which is useful to access the system and its data over IoT.

Hardware Specifications

- Arduino Uno
- Wifi Module

- Temperature Humidity Sensor
- Ultrasonic Sensor
- Water Flow Sensor
- Water Level Sensor
- LCD Display
- Resistors
- Capacitors
- Transistors
- Cables and Connectors
- Diodes
- PCB and Breadboards
- LED
- Transformer/Adapter
- Push Buttons
- Switch
- IC
- IC Sockets

Software Specifications

- Arduino Compiler
- MC Programming Language: C
- IOT Gecko

Block Diagram:

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

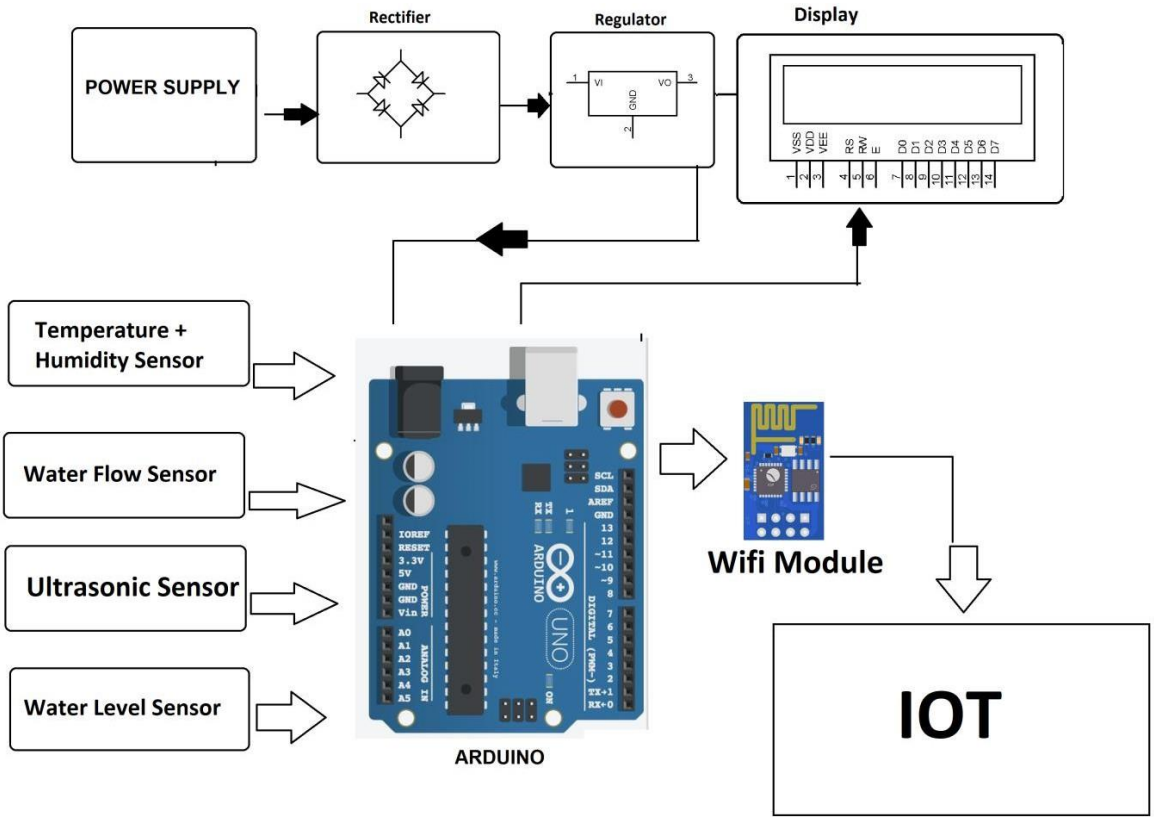
(Approved by A.I.C.T.E., New Delhi& Permanently Affiliated to JNTU, Kakinada)

NAAC Accredited Institute

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

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

Phone: 9963981111, e-mail:info@diet.edu.in



BATCH:1

AUTOMATED SOIL MOISTURIZER

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mr. A Krishna Nag

Associate professor & HOD, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

2022

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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

MR. A KRISHNA NAG
(ASSOCIATE PROFESSOR & HOD)

ABSTRACT

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

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

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

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

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

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

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

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

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

BATCH 2

DETECTION OF RASH DRIVING ON HIGHWAYS

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

of

BACHELOR OF TECHNOLOGY

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mr. B V SIVA PRASAD M.Tech,(P.h.D)

Assistant professor, EEE,DIET.

DADI INSTITUTE OF ENGINE ERING &TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

ISO 900 I:2008; ISO 14001:2004 & OHSAS 1800 I:2007 Certified Institution

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

2022

DADI INSTITUTE OF ENGINE ERING &TECHNOLOGY
{Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 900 I:2008; ISO 14001:2004 & OHSAS 1800 I:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A P .

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "**DETECTION OF RASH DRIVING ON HIGHWAYS**" is 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
M.Tech,(PhD)
(ASSISTSNT PROFESSOR,EEE.)
(SOCIALLY RELEVANT PROJECT GUIDE)

MR.A KRISHNA NAG
M.Tech, (PhD)
(ASSOCIATE PROFESSOR,EEE)
(HEAD OF THE DEPARTMENT)

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

EXTERNAL EXAMINER

ABSTRACT :

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

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

As we know, each and every life is important so to stop this rush driving control is needed.In previous years, many people has worked on it or still working to stop this life taking accident.This speed checker will come handy for the highway traffic police 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.

BATCH-3

AUTOMATIC SCHOOL/COLLEGE PERIOD BELL

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mrs. K. ALFONI JOSE

Assistant Professor, Department of EEE

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.

2022

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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

Mrs. K. ALFONI JOSE
(ASSISTANT PROFESSOR)
(SOCIALLY RELEVANT PROJECT GUIDE)

MR. A KRISHNA NAG
(ASSOCIATE PROFESSOR)
(HEAD OF THE DEPARTMENT)

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

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.

BATCH-4

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

NH5, Anakapalle-531002, Visakhapatnam

A Mini Project Report on

WATER LEVEL INDICATOR USING 555 TIMER

Submitted in partial fulfillment for the award of the degree of

Bachelor of Technology

in

ELECTRONICS AND ELECTRICAL ENGINEERING

Submitted By

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

Under the Esteemed Guidance of

Mr.BV SIVA PRASAD

(Assistant Professor,EEE)

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute
Recognized under section 2(f) & 12(b) of UGC Act 1956
An ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute
NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh
Phone: 9963694444/9963981111, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

CERTIFICATE

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

Signature of Project guide
Mr. B.V. SIVA PRASAD (M. Tech ,PhD)

Assistant professor
DIET

Head of the Department
Electrical & Electronics Engg.

Signature of Head of the Department
Mr.A. Krishna nag (Ph.D)

Associate professor & HOD of EEE
DIET

signature of the External Examiner

ABSTRACT

water tank overflow is a common problem which leads to the wastage of water. Though there are many solutions to it like ball valves which automatically stop the water flow once the tank gets full.but being electronics enthusiastic wouldn't you like an electronic solution for it so here is a simple and 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.

Batch - 5

MINI INVERTER 12V-240V

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

BACHELOR OF TECHNOLOGY

In

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mr.G.JAGADEESH

Assistant Professor, Department of EEE

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.

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.

CERTIFICATE

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

Mr.G.JAGADEESH
ASSISTANT PROFESSOR, EEE Dept.
(PROJECT GUIDE)

Mr.A.KRISHNA NAG
ASSOCIATE PROFESSOR, EEE Dept.
(HEAD OF THE DEPARTMENT)

Head of the Department
Electrical & Electronics Engg.
Institute of Engg. & Tech,

EXTERNAL EXAMINER

D.SRI TEJA (20U45A0215)

K.GANESH (20U45A0223)

P.MURARI (20U45A0242)

SK.JALALUDIN (20U45A0252)

V.SYAM KUMAR (20U45A0258)

ABSTRACT

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

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

Batch -06

ENERGY AUDITING IN RURAL AREAS

A Project Report submitted in partial

fulfilment of the requirements for the award of the degree

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Submitted By

E.KUMAR	20U45A0217
M.VENKATESH	20U45A0237
K.NAVEEN	20U45A0265
Y.VENKATESH	19U41A0208
C.MANIKANTA	20U45A0261

Under the Esteemed Guidence of

Mr. K SRINIVAS RAO

Deputy Head of Department

Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Affliated 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

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E, New Delhi & Affliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008: ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P.

CERTIFICATE

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

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

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

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of any task would be 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.

Batch :- 7

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.

2020

AUTOMATIC WATER TANK INDICATOR

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

K. VENKATESH	19U41A0202
N. VENKAT SAI	19U41A0209
G. LAXMAN	20U45A0219
H. K. KESAVA	20U45A0262

Under the Esteemed Guidance of

Mr.T. Ramesh Babu

Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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

Mr. T . RAMESH BABU
Asst. **(PROFESSOR)**
(SOCIALLY RELEVANT PROJECT GUIDE)

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

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

EXTERNAL EXAMINER

ABSTRACT

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

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

BATCH - 8

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

NH5, Anakapalle-531002, Visakhapatnam

A Mini Project Report on

Design of COVID preventive Temperature and Mask Scan Entry system using IoT

Submitted in partial fulfillment for the award of the degree of

Bachelor of Technology

in

ELECTRONICS AND ELECTRICAL ENGINEERING

By

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

Under the Esteemed Guidance of

CH. RAVI KUMAR

(Associate Professor)

Department Of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute
Recognized under section 2(f) & 12(b) of UGC Act 1956
An ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute
NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh
Phone: 9963694444/9963981111, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

CERTIFICATE

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

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

Signature of Head of the Department
Mr.A.Krishna nag (Ph.D)
Associate professor & HOD of EEE
DIET

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

Signature of the External Examiner

ABSTRACT

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

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

Batch: 9

AUTOMATIC STREET LIGHTS DESIGN

Automatic Streetlights that Glow on Detecting Night and Object using Arduino

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

B . MUSILI NAIDU	(20U45A0208)
B. LAKSHMI NARAYANA MANIKANTHA	(20U45A0209)
K. CHANDU	(20U45A0222)
V. VARAHA VENKATA SATYA NARENDRA	(20U45A0257)
V. CHARAN SAI TEJA	(20U45A0259)

Under the Esteemed Guidance of

J. Deleep Kumar

Assistant Professor, Department of E.E.E

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.

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-16, Anakapalle-531002, Visakhapatnam, A. P

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled **"AUTIO MATIC STREET LIGHTINGS DESIGN IN PUBLIC PLACES"** is a being submitted by B. MUSILI NAIDU [20U45A0208], B. LAKSHMI NARAYANA MANIKANTHA [20U45A0209], K. CHANDU [20U45A0222], V. VARAHA VENKATA SATYA NARENDRA [20U45A0257], V. CHARAN SAI TEJA [20U45A0259].
In partial fulfilment of the Requirement for the award of the degree of BACHELOR OF TECHNOLOGY for COMPUTER SCIENCE & ENGINEERING during the academic year 2021-2022.

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

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

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

EXTERNAL EXAMINER

ABSTRACT

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

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

BATCH 10

A MULTIFACTOR STUDENTS ATTENDENCE SYSTEM

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mr. A. CHIRANJEEVI

Assistant Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

CERTIFICATE

This is to certify that the Socially Relevant Project work entitled "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.

Mr. A. CHIRANJEEVI

(ASSISTANT PROFESSOR)

(SOCIALLY RELEVANT PROJECT GUIDE)

Mr. A. KRISHNA NAG

(ASSIOCIATE PROFESSOR)

(HEAD OF THE DEPARTMENT)

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

ABSTRACT

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

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

WATER LEVEL INDICATOR USING ARDUINO AND ULTRA SONIC _ _ SENSOR

11

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

BACHELOR OF TECHNOLOGYIN

ELECTRICAL & ELECTRONICS ENGINEERING

Subbmitted By

G GOWTHAM	20U45A0218
KUMAR	20U45A0251
S PADMA	20U45A0202
A HEMANTH	20U45A0230
K V CHAITANYA	20U45A0214
D SIVA	

Mr.G. JAGADEESH

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

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

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.

CERTIFICATE

This is to certify that the project work entitled "WATER LEVEL INDICATOR" is being submitted by G Gowtam kumar, S Padma, K V Chaitanya, A Hemanth, B shiva in partial 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. G JAGDEESH
ASSISTANT PROFESSOR
(PROJECT GUIDE)

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

Dadi Institute of Engg. & Tech.
Anakapalle - 531 002

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.

Batch - 12

PLASTIC RECYCLING

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mr. MOHAN

Assistant Professor, Department of EEE

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.

2022

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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

SUPERVISOR

M. Mohan.

Mr. MOHAN
Assistant Professor (EEE)
Dept. of EEE, DIET

HEAD OF THE DEPARTMENT

Mr. KRISHNA NAG
Associate Professor & HOD (EEE)
Dept. of EEE, DIET

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

EXTERNAL EXAMINER

PLASTIC RECYCLING

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

Assistant professor, EEE.

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

ABSTRACT :-

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

Batch Number : 13

SINGLE AXIS SOLAR TRACKING SYSTEM

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mr. P. RAGHAVENDRA RAO

Assistant Professor, Department of EEE

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 2022

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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

Mr.P RAGHAVENDRA RAO
(Assistant Pofessor)
(SOCIALLY RELEVANT PROJECT GUIDE)

MR. A Krishna Nag
(Associate Professor)
(HEAD OF THE DEPARTMENT)

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

EXTERNAL EXAMINER

ABSTRACT

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

IOT BASED HOME AUTOMATION SYSTEM

A Socially Relevant

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Subbmitted By

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

Under the Esteemed Guidence of

Mr.K. Vijay Kumar

Assistant Professor, Department of EEE

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

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

NAAC ACCREDITED INSTITUTE

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

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

2022

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.

CERTIFICATE

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

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

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

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

HOME AUTOMATION USING INTERNET OF THINGS

Under the Esteemed Guidence of

Mr. K. Vijay Kumar

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

ABSTRACT

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

Batch-15

Automatic Plant Watering System

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

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

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

Under the Esteemed Guidance of

Mr.K. Srinivas Rao

Assistant Professor, Department of EEE

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.

2020

DADI INSTITUTE OF ENGINEERING &TECHNOLOGY
(Approved by A.I.C.T.E & Affiliated to JNTU, Kakinada)
NAAC ACCREDITED INSTITUTE
ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle-531002, Visakhapatnam, A.P

CERTIFICATE

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

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

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

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

EXTERNAL EXAMINER

ABSTRACT

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

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