

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, NAAC, Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Recognized by UGC under section 2(f) of UGC Act 1956

Kakinada-533004, 2013-2017.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

**“EXPERIMENTAL EFFECT ON AA 6063 USING FRICTION
STIR PROCESSING TO ENHANCE THE MECHANICAL
PROPERTIES USING VARIOUS PARAMETERS”**

Submitted by

V.JAGAN

14P35A0309

KAMLESH KUMAR YADAV

13P31A0321

T.KOTESH

13P31A0354

ESWAR SIMHADRI

13P31A0315

A.V.S.D.NAGENDRA GOWD

14P35A0312

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017

The Result embodied in this project report has not been submitted to any other institute or university for the award of any degree or diploma.

HEAD OF THE DEPARTMENT

Mr.D.DEEPU

Associate Professor,
Dept. Of Mechanical Engineering,
Aditya College of Engg & Tech.

PROJECT GUIDE

Mr.D.DEEPU

Associate Professor,
Dept. Of Mechanical Engineering,
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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NAAC and Affiliated to Jawaharlal Nehru

Technological University, Kakinada-533003

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled **FABRICATION OF DUAL PURPOSE ARC WELDING & FURNACE**

Submitted by

LANKA RAM JAGADEESH KUMAR	14P35A0304
C.S.S.SRI KRISHNA	13P31A0309
M.ESWARA RAMESH	13P31A0330
P.V.R.CHAITANYA	13P31A0339
K.SATYA PRAKASH	13P31A0327

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma


PROJECT GUIDE


Mr. E. RAGHAVENDRA M.Tech
Asst.Professor

Dept. of Mechanical Engineering

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HEAD OF THE DEPARTMENT


Mr. D. Deepu M.Tech
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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU, Kakinada & Approved by AICTE, New Delhi)

Department of Mechanical Engineering



CERTIFICATE

This is to certify that project work entitled “**e CART**” is a bonafied work carried out by **JNAVEEN KUMAR (13P31A0319), B.ASWINI DATTU (13P31A0306), M.PHANINDRA (14P35A0305), L.SRI GURU VINAY (13P31A0329), K.KVENKATA NAVEEN (13P31A0329), R.SIVA KUMAR (13P31A0344), SOURAV NAMA (13P31A0329)** at the college for the award of Bachelor of Technology in **MECHANICAL ENGINEERING** from **Aditya college of engineering & Technology** during the academic year 2013-2017.


PROJECT SUPERVISOR

Mr M.RAM BABU, M.Tech.,

Assistant Professor


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Mr. D.DEEPU, M.Tech.,

Assistant Professor


EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

APPROVED BY AICTE & AFFILIATED TO JNTUK, ACCREDITED BY NAAC

RECOGNIZED BY UGC UNDER SECTION 2(F) OF UGC ACT 1956

ADITYANAGAR, SURAMPALEM-533437

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "**FABRICATION OF MULTI PURPOSE MECHANICAL MACHINE**" is being submitted by

Polepalli Durga venu 13P31A0340

Putsakayala manichandra 13P31A0341

Kesarapu Naga maneswararao 13P31A0324

Anaparthi Kiran kumar 13P31A0302

Kolluri Sriram 13P31A0326

in partial fulfilment of requirement for the award of Bachelor of Technology degree in mechanical engineering ,during the academic year 2013-2017 and the result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma


PROJECT GUIDE

Mrs.K.Keerthi

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HEAD OF THE DEPARTMENT

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EXTERNAL EXAMINAR

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY

(Affiliated to JNTU, Kakinada & Approved by AICTE, New Delhi)

Department of Mechanical Engineering



CERTIFICATE

This is to certify that project work entitled "**HYBRID SOLAR WATER PUMPING USING PENDULUM BASED STORED ENERGY SYSTEM**" is a bonafied work carried out by

THOTA RAVI KUMAR	(13P31A0353)
BATTULA HARI KALYAN	(14P35A0301)
PINISETTI SURYARAO	(14P35A0307)
SARIPILLI NAVEEN KUMAR	(14P35A0308)
TANETI RATNA RAJU	(13P31A0352)

at the college for the award of Bachelor of Technology in **MECHANICAL ENGINEERING** from Aditya College of Engineering and Technology during the academic year 2013-2017.


PROJECT GUIDE

Mrs. K. KEERTHI, M.Tech.,

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Mr. D. DEEPU, M.Tech.,

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to Jawaharlal Nehru technological university

Kakinada-533003

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "**Semi-Automatic pneumatic welding machine**"

Submitted By

N.ESWAR SATYA SRINIVAS

13P31A0335

K.SUVEER

13P31A0322

CH.RAJESH

13P31A0311

FAISHAL NEHAL

13P310A314

R.VINOD KUMAR

13P31A0342

MD.ASHIK ALI

12P31A0335

In partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2013-2017. The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma

PROJECT GUIDE

Mr.T.Sagar

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Mr.D.Deepu_{Mtech}

Asst.professor

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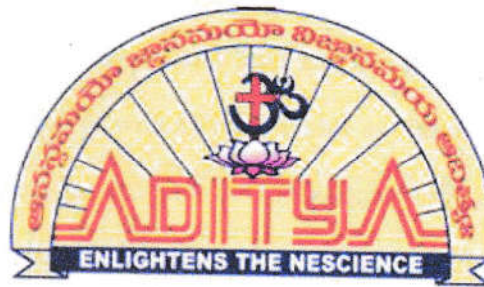
Aditya College Of Engineering & Technology

EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, NAAC and Affiliated to Jawaharlal Nehru Technological
University Kakinada, Kakinada-533003)

DEPARTMENT OF MECHANICAL ENGINEERING



Certificate

This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION OF ENGINE PERFORMANCE AND EMISSION ANALYSIS OF DIESEL ENGINE OPERATING ON CALOPHYLLUM INOPHYLLUM OIL BIODIESEL BLENDS WITH CERIUM OXIDE AS NANO ADDITIVES" being submitted by

VISHAL KUMAR	(13P31A0359)
D.KRISHNA VAMSI	(13P31A0313)
O.AVINASH	(13P31A0337)
CH.PRASANTH	(13P31A0318)
B.SAI KUMAR	(13P31A0304)

in the partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering Department, during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other Institute or University for the award of any degree or diploma.

PROJECT GUIDE

Mr. V.S. SANTOSH

Assistant Professor

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HEAD OF THE DEPARTMENT

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NAAC and Affiliated to JNTU

KAKINADA-533003

2013-17

Department of Mechanical Engineering



CERTIFICATE

This is to certify that the project work entitled “**EXPERIMENTAL INVESTIGATION ON WELDING BEADS TO CHARACTERIZE MECHANICAL PROPERTIES USING FRICTION STIR WELDING ON DISSIMILAR ALUMINIUM ALLOYS-AA6061 & AA6063**”, is a being submitted by **M.NAVEEN KUMAR(14P35A0306)**, **G.SATYASAI(13P31A0316)**, **M.NAGENDRA(13P31A0333)**, **MD.MAZHAR ALI(13P31A0332)**, **Y.VENKATESWARAO(14P35A0310)** submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Mechanical Engineering, during the academic year 2013-2017.

The results embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

HEAD OF THE DEPARTMENT

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PROJECT GUIDE

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

APPROVED BY AICTE & AFFILIATED TO JNTUK, ACCREDITED BY NAAC

RECOGNIZED BY UGC UNDER SECTION 2(F) OF UGC ACT 1956

ADITYANAGAR, SURAMPALEM-533437

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**DYNAMIC ANALYSIS OF 7 DOF FULL CAR MODAL USING PASSIVE AND SEMI ACTIVE SUSPENSION WITH SKY-HOOK CONTROL STRATEGY**” is being submitted by

D.L.N MURTHY	(14P35A0302)
N.S.SHANMUKH	(13P31A0334)
H.S.MADHUKAR	(13P31A0317)
B.M.CHAITANYA	(13P31A0305)
V.V.V.S.N.MURTHY	(13P31A0358)
A.D.U.CHOWDARY	(13P31A0303)

Submitted in partial fulfilment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017 and the result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

PROJECT GUIDE


Mr. B.SAROJ BABU (M.E.)

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



Certificate

This is to certify that the project report entitled "**AIR EVAPORATIVE COOLING ON CONDENSER WITH DOUBLE TUBE IN WINDOW A.C UNIT**"

SUBMITTED BY

SHATRUDHAN THAKUR

13P31A0348

V.V. RAGHAVENDRA KIREETI

13P31A0356

N. VENKATESH

13P31A0336

SACHIN KUMAR

13P31A0345

P.S.R. KRISHNA KANTH

13P31A0338

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.


PROJECT GUIDE

Mr. T.S.S. BHASKARA RAO

Assistant Professor

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HEAD OF THE DEPARTMENT

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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Recognized by UGC under the section 2(f) of UGC Act 1956

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



Certificate

This is to certify that the project report entitled "**EXPERIMENTAL DETERMINATION OF THERMAL CONDUCTIVITY OF ALLUVIAL SOIL**"

SUBMITTED BY

KIRAN BINADI	(13P31A0325)
SANDEEP DANDAMUDI	(13P31A0312)
CHAKKA SANTOSH	(13P31A0308)
CH.V.R.V PRASAD	(13P31A0310)
MURALI KOVIRI	(13P31A0328)

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

N.V.V. Nageswara Rao
PROJECT GUIDE
Mr. N.V.V NAGESWARA RAO
Assistant Professor
Dept. of Mechanical Engineering
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[Signature]
HEAD OF THE DEPARTMENT
Mr. D. DEEPU
Associate Professor
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Aditya College of Engineering &
Technology

[Signature]
EXTERNAL EXAMINER

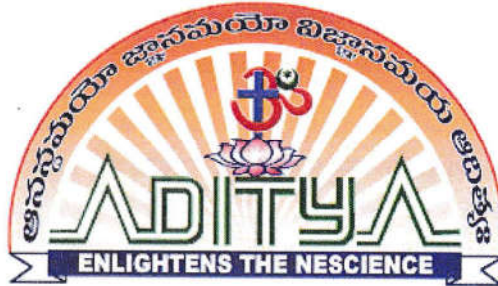
ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to Jawaharlal Nehru technological university

Kakinada-533003

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “Portable Spot Welding Machine”

Submitted By

K.V.V.A.SRAVAN KUMAR	14P35A0303
S.S.BALAKRISHNA REDDY	13P31A0347
RASAGYAPRADHAN	13P31A0343
A.GOWRI SHANKAR	13P31A0301
V.B.S.SAIKIRAN	13P31A0357

In partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2013-2017. The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma


PROJECT GUIDE

Mr.J PapaRao (M.TECH)
Asst.professor
Dept. Of Mechanical Engineering
Aditya College Of Engineering &
Technology.


HEAD OF THE DEPARTMENT

Mr.D.Deepu M.Tech
Asst.professor
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Aditya College Of Engineering &
Technology.


EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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Recognized by UGC under section 2(f) of UGC Act 1956

Kakinada-533004, 2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

FABRICATION OF VORTEX FLOW AIR COOLER

Submitted by

T. RAVI

13P31A0351

S. SAI SEKHAR

13P31A0350

K. MOSES BABU

13P31A0323

M. PHANI KUMAR

13P35A0331

B. GANGA SATISH

13P31A0307

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology Degree in Mechanical Engineering, during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

PROJECT GUIDE

 14/4/17
Mr. CH. PAVAN KUMAR M.Tech.,

Asst. professor

Dept. of Mechanical Engineering

Aditya College of Engineering & Technology

HEAD OF THE DEPARTMENT


Mr. D. DEEPU M. Tech.,

Assoc. professor

Dept. of Mechanical Engineering

Aditya College of Engineering & Technology


EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY Kakinada, Approved by AICTE, NAAC)

Surampalem, East Godavari District – 533437

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is certified that the project work entitled **AUTOROLL PUNCHING
MACHINE USING GENEVA MECHANISM** being submitted by

A.ATCHYUTA RAJENDRA PRASAD	13P31A0362
P. NUTHAN RAJU	13P31A03A2
S. NETAJI	14P35A0322
I. SAIKIRAN	13P31A0378
A. KRISHNA KUMAR	13P31A0361


In a partial fulfillment of the requirements for award of the Bachelor of
Technology Degree in Mechanical Engineering for the academic year 2013-2017.

HEAD OF THE DEPARTMENT


Mr.D.DEEPUP, M.Tech
Associate professor

Department of Mechanical Engineering,
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PROJECT GUIDE


Ms.A.RESHMA, M.Tech
Assistant professor

Department of Mechanical Engineering,
Aditya College of Engineering & Technology


EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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Recognized by UGC under section 2(f) of UGC Act 1956

Kakinada-533004, 2013-2017.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

“DESIGN AND FABRICATION OF TRI STAR”

Submitted by

B.VENKATESH	14P35A0314
V.SAI KIRAN	13P31A03B4
N.SATISH KUMAR	13P31A0391
G.B.PRASHANTH	14P35A0317
Y.LAKSHMI KANTH	13P31A03C0

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017

The Result embodied in this project report has not been submitted to any other institute or university for the award of any degree or diploma.

HEAD OF THE DEPARTMENT

Mr.D.DEEPU M.Tech.
Associate Professor ,
Dept Of Mechanical Engineering,
Aditya College Of Engg & Tech.

PROJECT GUIDE

Miss.T.PRASHANTHI M.Tech.
Assistant Professor,
Dept Of Mechanical Engineering,
Aditya College Of Engg & Tech.

EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTU Kakinada, Approved by AICTE, New Delhi)

Surampalem, East Godavari District

2013-2017

Department Of Mechanical Engineering



CERTIFICATE

This is to certify that the project work entitled **"FABRICATION OF SHREDDER"** is being submitted by **Mr. B.VeeraManikanta(14P35A0324), Mr.G.S.Chakradhara Rao (13P31A0373), Mr. K.K.P.L.N.V.Arun Kumar (13P31A0381), Mr. B. VinayKumar (13P31A0366), Mr.N. Mithra Venkata Sriram (13P31A0389)** in partial fulfilment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering from Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by them at Aditya College of Engineering and Technology During the academic year 2013-2017.

The result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.


PROJECT GUIDE

Miss. R. GAYATRI DEVI ME

Asst.professor

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Aditya College of Engineering & Technology


HEAD OF THE DEPARTMENT

Mr.D.Deepu MTECH

Asst.professor

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to Jawaharlal Nehru Technological University, Kakinada-533003

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "**DESIGN AND FABRICATION OF CANAL CLEANING MACHINE**" is being submitted in partial fulfilment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017.

The Results embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma

Submitted by

U.SUDHEER	13P31A03B3
G.MURALI KRISHNA	13P31A0377
S.ROHIT	13P31A03A5
B.SRINIVASARAO	14P35A0313
M.V.D.CHARAN	13P31A0384


PROJECT GUIDE

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, NAAC and Affiliated to Jawaharlal Nehru Technological
University, Recognized by UGC under section 2(f) of UGC Act 1956

Kakinada-533003

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the mini project report entitled "**OPTIMIZATION OF SURFACE ROUGHNESS IN CNC MILLING MACHINE BY USING TAGUCHI & ANOVA TECHNIQUES**" submitted by P.V.S.K.PRASAD(13P31A0396), B.JOHNSON (13P31A0364), VISHAL PRASAD.K (13P31A03B9), G.JASHUVA (13P31A0375) in fulfilment for the award of the Degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to Aditya College of Engineering and Technology affiliated to Jawaharlal Nehru Technological University Kakinada is a record of the bonafide work carried out under my guidance and supervision. The results presented in this project report have not been submitted to any other university or Institute for the award of any degree.


13/4/2017

PROJECT GUIDE

Mr.A.SRIDHAR REDDY, M.Tech.

Assistant Professor
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HEAD OF DEPARTMENT

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Affiliated to JNTUK, Accredited by NAAC)
Recognized by UGC under section 2(f) of UGC Act 1956
Kakinada-533003
2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF THERMOELECTRIC REFRIGERATOR"

Submitted by

PANKAJ KUMAR

13P31A0393

O. H. V. V. SATYANARAYANA

13P31A0392

DEVALANKA LAKSHMI SAI

14P35A0325

S. V. V. D. PRASAD

13P31A03A3

P. VIJAY KUMAR

13P31A0394

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma


PROJECT GUIDE

Mr. H. SURESH BABU RAO

Assoc. Professor
Dept. Of Mechanical Engineering
Aditya College of Engineering & Technology


HEAD OF THE DEPARTMENT

Mr. D. DEEPU

Assoc. Professor
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Aditya College of Engineering & Technology


EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NAAC and Affiliated to Jawaharlal Nehru Technological
University, Kakinada-533003

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that project work entitled "CAR TILTING EQUIPMENT" is a bonafide work carried out by P V K CHAITANYA (13P31A0398), CH SAIBABU (13P31A0369), D CHANDRASHEKAR (13P31A0372), P VINAY (13P31A0376), T DURGARAO (13P31A03B1), in the partial fulfilment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING** to the Jawaharlal Nehru Technological University, Kakinada during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

PROJECT SUPERVISOR

Ms M.S. PRAVALLIKA, M.Tech.

Assistant Professor
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HEAD OF THE DEPARTMENT

Mr. D. DEEPU, M.Tech.

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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Recognized by UGC under section 2(f) of UGC Act 1956

Kakinada-533004, 2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

DESIGN AND FABRICATION OF MANUAL OPERATED RICE TRANSPLANTING MACHINE

Submitted by

CH.V.V. SATYANARAYANA	14P35A0315
CH. V. SATYANARAYANA	13P31A0370
CH. LAKSHMAN SAI	13P31A0368
K. PRADEEP KUMAR	14P35A0318
D. V. V. MANIKANTA	13P31A0371

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology Degree in Mechanical Engineering, during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

PROJECT GUIDE

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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(APPROVED BY AICTE, NAAC, AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA)

RECOGNIZED BY UGC UNDER SECTION 2(F) OF UGC ACT 1956

KAKINADA-533004, 2013-2017

Department of Mechanical Engineering



CERTIFICATE

This is to certify that project work entitled "**AUTO INDEXING MACHINE**" is a bonafied work carried out by N.S.N.S.PAVAN(13P31A0390), V.H.N.S.PRASAD(13P31A03B7), K.D.G.K.P.SREENU(13P31A0382), S.MOHID HUSSAIN(14P35A0321), VIKAS LAKRA(13P31A03B8) at the college for the award of Bachelor of Technology in **MECHANICAL ENGINEERING** from Aditya college of engineering & Technology during the academic year 2013-2017.

PROJECT GUIDE

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Recognized by UGC under section 2(f) of UGC Act 1956

Kakinada-533004, 2013-2017.

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

“DESIGN AND FABRICATION OF WALL PAINTING MACHINE”

Submitted by

P.YASWANTH KUMAR	13P31A0395
P.NARESH	13P31A0399
Y.CHINNA SRINU	14P35A0323
SUDHAKAR PANDEY	13P31A03A8
RAVI KUMAR	13P31A03A1
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Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017

The Result embodied in this project report has not been submitted to any other institute or university for the award of any degree or diploma.

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2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "**ABRASIVE JET MACHINE**" is being submitted in partial fulfilment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017.

The Results embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

Submitted by

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M.ANAND BABU	13P31A0385
V.V.V.PHANINDRANADH	13P31A03B5
G.KRANTHI KUMAR	13P31A0374
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Kakinada-533003

2013-2017



CERTIFICATE

This is to certify that the project report entitled “**MODAL ANALYSIS OF MULTI-CYLINDER 4- STROKE ENGINE**”

Submitted by

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Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017. The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

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KAKINADA-533003

2013-17

Department of Mechanical Engineering



CERTIFICATE

This is to certify that the project work entitled "**DESIGN, ANALYSIS & PERFORMANCE OF SUPERCHARGER & TURBOCHARGER**", are a being submitted by JAY KISHOR KUMAR (13P31A03D6) & RAVI RANJAN MISHRA (13P31A03G0) submitted in partial fulfilment of the requirements for the award of Bachelor of Technology degree in Mechanical Engineering, during the academic year 2013-2017.

The results embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

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ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, NAAC and Affiliated to Jawaharlal Nehru Technological
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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**MECHANICAL PROPERTIES OF COMPOSITE LAMINATES**”


Submitted By

CH SURYA TEJA	13P31A03C8
V.L.S.P MOHAN KUMAR	13P31A03H2
G.SATYA SRINIVAS	13P31A03D2
V GANGADHAR	13P31A03H6
P SUNIL	13P31A03F5


In partial fulfilment of requirement for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

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EXTERNAL EXAMINER



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FABRICATION OF PORTABLE PAPER RECYCLING MACHINE"

Submitted by

B. VARA PRASAD

13P31A03C6

K.DURGA PRASANTH

13P31A03D9

K. HEMANTH

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Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering ,during the academic year 2013-2017.

The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

PROJECT GUIDE


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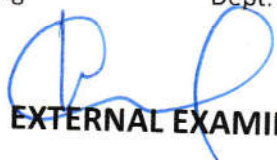
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EXTERNAL EXAMINER

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Kakinada-533003

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the project report entitled “**DESIGN AND FABRICATION OF AUTOMATIC PLATE CLEANING MACHINE**” Submitted by


K.SAITEJA	13P31A03D8
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SONU KUMAR	13P31A03G5
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Kakinada-533003

2013-2017

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "EXPERIMENTAL EFFECT ON AA 6061 USING FRICTION STIR PROCESSING TO ENHANCE THE MECHANICAL PROPERTIES USING VARIOUS PARAMETERS"

Submitted by

B.NAGABABU

13P31A03C4

V.S.V.PRASANNA KUMAR

13P31A03H4

SATYENDRA KUMAR

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Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017. The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

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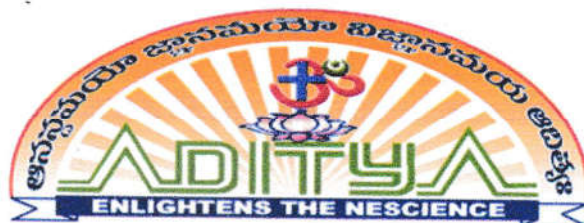
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CERTIFICATE

This is to certify that the project report entitled

**“EXPERIMENTAL INVESTIGATION OF DIESEL ENGINE
PERFORMANCE AND EMISSION ANALYSIS OPERATING ON
WCO BIO-DIESEL AND ITS BLENDS WITH CERIUM OXIDE AS
NANO ADDITIVES”**

Submitted by

A.SWAMY NAIDU

13P31A03C1

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Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in mechanical engineering, during the academic year 2013-2017. The Result embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.

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CERTIFICATE

This is to certify that the project report entitled **“DESIGN AND FABRICATION OF HIGHWAY WINDMILL”**

Submitted by

CH.VEERENDRA	13P31A03C9
D.VENKATA TEJA	13P31A03D0
K.NARENDRA	14P35A0327
SANJAYA SAHRMA CHALISE	13P31A03I1
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