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MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "Corrosion Behavior of Ni Coated Aluminium Reinforced With Coconut Shell Ash Composites" is being submitted by

PADALA VEERABHADRAM	18P35A0363
VULAVAKAYALA DATTA	17P31A0336
VALLAPUSETTI RAMAKRISHNA	17P31A0335
MYDU VENKATA SUMANTH	18P35A0358
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In partial fulfillment of the requirements for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2020-2021. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

Dr.N.STANLEY EBENEZER, M. Tech., Ph.D

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Surampalem East Godavari District 533437

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CERTIFICATE

This is to certify that this project report entitled

"DESIGN AND ANALYSIS OF AQUA FEED SPRAYER FOR EASY FORMING"

Submitted by

M.SAIGANESH	18P35A0350
S.S. PAVAN SAIRAM	17P31A0332
M.SUNIL	18P35A0348
J. LOKESH	18P35A0336
G MANIKANTHA	18P35A0335

In partial fulfillment of requirements for the award of bachelor of technology degree in Mechanical Engineering during the Academic year 2020-2021. 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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Assistant professor PROJECT GUIDE Mechanical Engineering Dept.. Dr. DANAIAH PULI, M. Tech., Ph.D.

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Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FABRICATION OF CONTACTLESS BRAKING SYSTEM" Submitted by

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K .BHASKARA RAO	17P31A0353
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I .SATHIRAJU	17P31A0350
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MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "CHARACTERIZATION OF GLASS FIBER REINFORCED POLYMER COMPOSITE PREPARED BY HAND LAYUP METHOD"

Submitted by

K. SRINU	(18P35A0339)
T. DHANESH	(17P31A0333)
L. SOMA RAJU	(18P35A0347)
Y. DEVI SHANKAR	(18P35A0364)
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In partial fulfilment of the requirement for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2017-2021 The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

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Surampalem, E.G. Dist., AP - 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND PROTOTYPE OF SMART MATERIAL HANDLING SYSTEM" Submitted by

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P. PAVAN SURYA

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P. S V S GIREESH KUMAR

18P35A0366

P. MAHESH BABU

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CERTIFICATE

This is to certify that the project entitled "DESIGN AND PROTOTYPE OF SMART HOISTED DELTA PICK AND PLACE ROBOT" submitted by

SHAIK DARWESH	(18P35A0385)

SAKA VEERA SHANKAR	(18P35A0380)
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CERTIFICATE

This is to certify that the project report entitled "DESIGN AND ANALYSIS OF WINDMILL OPERATED WATER PUMP WITH TWO DIFFERENT AIRFOILS" Submitted by

PANGA YESU	18P35A0369
KOTIPALLI VIJAYA KUMAR	18P35A0396
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2020-2021

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "DESIGN AND STRUCTURAL ANALYSIS OF HYBRID TWO-WHEELER BIKE" is being submitted by

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CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF ELECTROMAGNETIC BRAKING SYSTEM" Submitted by

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T. NAGA NANAJI	18P35A0388
T. SANDEEP	18P35A0392
B. ADITYA NAGA SANTHOSH	17P31A0378
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CERTIFICATE

This is to certify that this project report entitled

"CFD ANALYSIS OF SOLAR FLAT PLATE COLLECTOR"

Submitted by

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PERLA, SATISH	18P35A0373
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CERTIFICATE

This is to certify that the project report entitled "DESIGN AND ANALYSIS OF CONVERTABLE
WHEEL CHAIR TO SLEEPING BED" Submitted by

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CERTIFICATE

This is to certify that this project report entitled

"THERMAL ANALYSIS OF THE GAS TURBINE ROTOR BLADE"

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S.VENKATA CHARAN	18P35A0383
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CERTIFICATE

This is to certify that the project report entitled "DESIGN AND ANALYSIS ON SUSPENSION SYSTEM OF A HYBRID TWO WHEELER BIKE" Submitted byin partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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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CERTIFICATE

This is to certify that the project report entitled "PERFORMANCE AND EMISSION CHARACTERSTICS OF SI ENGINE BY USING OXYGENATED ADDITIVES BY VARYING LOAD AT DIFFERENT SPEEDS" Submitted by

P. PRABHU TEJA	18P35A0378
T. MOHAN KRISHNA	18P35A0390
B. HARISH	16P31A03B0
S. SIVA	17P31A0371
B. RAJSEKHAR	17P31A0376

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MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "An Investigation of Friction Stir Welding Process Parameters for Joining AL-LI Alloys"

Submitted by

S. GOPALA KRISHNA	18P35A0381
NISHANT DEEP	17P31A0366
V. SRIDHAR	17P31A0369
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CERTIFICATE

This is to certify that the project report entitled "PERFORMANCE ANALYSIS OF A VCR ENGINE FOR VARIOUS PISTON DESIGNS AND CONFIGURATIONS" Submitted by

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N RAM KALYAN	17P31A0364
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CERTIFICATE

This is to certify that the project report entitled "DESIGN AND ANALYSIS OF ELECTRIC BIKE" Submitted by

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Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "STUDY ON USE OF RADIANT ENERGY WELDING PROCESSES IN DEFENCE AND SPACE APPLICATIONS" Submitted by

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V.DURGA PRASAD	18P35A03A6
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DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the project report entitled "DESIGN AND 3D PROTOTYPING OF HORIZONTAL TURBINE - IOT BASED TESTING". Submitted by

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CERTIFICATE

This is to certify that the project report entitled "DESIGN AND ANALYSIS OF OMNIBALL SPHERICALWHEEL ROBOT" Submitted by

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M.PRAVEEN KUMAR	(18P35A03C6)
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V.SATYA SAI	(17P31A03A4)
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CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF FRICTIONLESS ELECTROMAGNETIC BRAKING SYSTEM

- Submitted by

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This is to certify that the project report entitled "Design and Simulation of Vortex Tube with Different Conical Control Valves" Submitted by

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K. SUBASH		18P35A03B9
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V. SAI SANJAY PRATAP

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CERTIFICATE

This is to certify that the project report entitled "MONITORING AND DETECTION OF VEHICLE EMISSION"

Submitted by

U. VINAY CHOWDARY	18P35A03A0
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(2020-2021)

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "IMPROVING PRODUCTIVITY OF DOUBLE SLOPE SOLAR STILL USING NANO COATED BASIN MATERIALS" Submitted by

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NATTE PRASAD	17P31A0398
NARRA VENUGOPAL	17P31A0397

In partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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.

PROJECT GUIDE

Dr. M MURUGAN M.E. Ph.D.

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MECHANICAL ENGINEERING DEPARTMENT

HEAD OF THE DEPARTMENT

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Associate Professor & Head

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EXTERNAL EXAMINER

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Recognized by UGC under section 2(f) and 12(B) of UGC Act 1956.

Surampalem, E.G. Dist., AP - 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FABRICATRION OF PHASE CHANGE MATERIAL AIR COOLER" Submitted by

1.S SIVA PRASAD	18P35A03B7
2.L SAIRAM	18P35A03C8
3.N S SATYA KRISHNA	17P31A0396
4.V A S K M SRINIVAS	17P31A03A7
5.M WILLSON	17P31AO391

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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.

PROJECT GUIDE

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HEAD OF THE DEPARTMENT

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Recognized by UGC under section 2(f) and 12(B) of UGC Act 1956.

Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "OPTIMIZATION OF DESIGN AND STATIC THERMAL ANALYSIS OF DISC ROTOR USING FINITE ELEMENT METHOD" Submitted by

V. SATYA	18P35A03A3
Y. SAI RAJU	18P35A03A8
V.RAVI TEJA	17P31A03A8
P. SYAM PRASAD	17P31A03A0
K. RAVI CHARADHAR	17P31A0387

partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. The results embodied in this project report have been submitted to any other institute or University for the award of any degree or diploma.

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College of Engineering and Technology

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Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "EXPERIMENTAL STUDIES ON THE EFFECT OF OXYGENATED ADDITIVIES ON SPARK IGNITION ENGINE" Submitted by

P.RAMA MANIKANTA	18P35A03B4
V.SAI KOUSIK	18P35A03A5
V.SAMPATH NIKHIL SAI	18P35A03A7
N.SAI PRASANTH	17P31A0395
P.AKHILESH	17P31A03A2
Y.NAVEEN JAYDEV	17P31A03B1

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PROJECT GUIDE

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Aditya Nagar, ADB Road, Surampalem-533437

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FEA ANALYSIS OF COMPOSITE

LEAF SPRING" is being submitted by

GOPISETTI VAMSI	- 17P31A0316
B.PRABHAKAR RAO	18P35A0332
M.PAVAN KALYAN	17P31A0322

MADIREDDI GANESH 17P31A0321 EDA PRADEEP 17P31A0313

In partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING to Aditya College of Engineering & Technology, during the academic year 2017-2021. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree.

PROJECT GUIDE

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Surampalem E.G. Dist., AP-533437.



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Is to certify that the project report entitled "DESIGN AND 3D PROTOTYPING OF WERTICAL TURBINE - IOT BASED TESTING" Submitted by

CH.S.D.S. NEELADRI	18P35A0317
P. S. BHANU SUDHEER	17P31A0326
DAVULURI JAI GANESH	18P35A0321
BANDARU NOOKARAJU	18P35A0306
MANYAM ARUN KUMAR	17P31A0323

fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical functions during the academic year 2017-2021. The results embodied in this project report have submitted to any other institute or University for the award of any degree or diploma.

PROJECT GUIDE

■ AKHILESH KUMAR SINGH

Amistum Professor

Medianical Engineering Department

HEAD OF THE DEPARTMENT

Dr. DANAIAH PULI, M. Tech., Ph.D.,

Associate Professor & Head

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ADB ROAD, SURAMPALEM-533437, EAST GODAVARI DISTRICT



CERTIFICATE

This is to certify that the project entitled

DESIGN AND FABRICATION OF ABRASIVE JET MACHINE

Submitted by

A.SRINIVAS (17P31A0306)

D.S.G.SWAMY (18P35A0322)

CH. KARTHIK (18P35A0314)

G.S. SHANKAR (17P31A0315)

A. ROHITH (18P35A0301)

be partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering during the academic year 2020-2021. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

PROJECT GUIDE

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Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "DESIGN AND FLOW ANALYSIS OF INTAKE MANIFOLD FOR LIGHT COMMERCIAL VEHICLES BY USING COMPUTATIONAL FLUID DYNAMICS" Submitted by

G.KISHORE	18P35A0328
CH.SARATH CHANDRA KALYAN	18P35A0318
P.SRINIVAS	17P31A0328
K.YOGESH CHANDRA CHAITANYA	17P31A0320
P.PRAGNAN MANIPAL	17P31A0327
L.DURGA SAILENDRA	17P31A0319

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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.

PROJECT GUIDE

Mr. N. CHAITANYA KRISHNA, M.Tech Assistant Professor Mechanical Engineering Department HEAD MECHANICAL Engineering & Technology
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Associate Professor & Head Mechanical Engineering Department

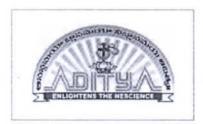
EXTERNAL EXAMINER

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ABD ROAD, SURAMPALEM-533437, EAST GODAVARI DISTICT

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled

"DESIGN & SIMULATION OF ALL - TERRAIN VEHICLE"

is being submitted by

3CDBALA DURGAPRASAD	(18P35A0312)
* *TSAVAYI SRI KRISHNA CHAITANYA VARMA	(18P35A03A4)
CERVALA AJAY KUMAR	(18P35A0313)
LANDARU VISWA SATYA SAI KALYAN	(17P31A0308)
DEDUPU MADHU NAGA VARA PRASAD	(17P31A0346)
KIISURI HARISH	(17P31A0357)

in fall liment of the requirement for the award of Bachelor of Technology in Mechanical Engineering, the academic year 2017-2021. The results embodied in this report have not been submitted to any other for the award of any degree.

Nir K. WEJAY M. Tech

Dr. DANAIAH PULI, M.Tech, PhD

mistant Professor

Associate Professor & Head

Engineering Department

Mechanical Engineering Department

EXTERNAL EXAMINER

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MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "PERFORMANCE ANALYSIS OF RAISERLESS SOLAR WATER WITH DENTED ABSORBER PLATE" submitted

BOTSA NANAJI	18P35A0310
AMBAVARAPU VEERESH	18P35A0303
GUBBALA BENNY KUMAR	18P35A0331
DALLI ANIL KUMAR	17P35A0311
AMBATI SWAMY	17P35A0305

in partial fulfillment of the degree of Bachelor of Technology in MECHANICAL

STREERING to Aditya College of Engineering and Technology affiliated to

School Dehru Technological University, Kakinada is a record of the bonfire work

and and my guidance and supervision. The results presented in this project report

the school Degree of Bachelor of Technology in MECHANICAL

Technology affiliated to

*roject Guide

V. KIRAN KUMAR, M.Tech.,

Dr.DANAIAH PULI, M.Tech, Ph.D.,

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CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF CHILLED WATER DISPENSER SYSTEM" Submitted by

A.N.V.A.CH. SANDEEP	18P35A0305
B.SURENDRA	18P35A0308
G.VINAY CHAITANYA	17P31A0314
CH.NAGA SANDEEP	17P31A0310
A.V.VENKATA GANESH	17P31A0304

In partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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.

PROJECT GUIDE

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2017-2021

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This to certify that the project entitled "DESIGN AND FABRICATION OF SERIAL ROBOTIC ARM" is

Submitted by

DEVADA HANUMA RAMA KRISHNA	(18P35A0323)
DOKUBURRA NAVEEN	(18P35A0324)
CHINTA RAVITEJA	(18P35A0315)
BANDI HARISH	(18P35A0307)
ADAPA PARISUDHA VISWA TEJAS	(17P31A0301)

In partial fulfilment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2017-2021. The results embodied in this report have not submitted to any other institute or university for the award of any degree.

Project Guide

1 roject Guide

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Assistant Professor

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Aditya college of Engg & Tech.

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Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "EXPERIMENTAL INVESTIGATION ON CNG AS A FUEL IN TWO WHEELER"Submitted by

D.SATHEESH	18P35A0320
G.SUBRAMANYAM	18P35A0326
G.SAICHAKRADHAR	18P35A0329
B.SURYA VARMA	18P35A0311
A.J.V.RAJESH REDDY	17P31A0303

In partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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.

PROJECT GUIDE

Mr. R. PRASAD, M.Tech. Assistant professor Mechanical Engineering Department HEAD OF THE DEPARTMENT

Head of the Department
Dr. DANALAH BALLAH BALLAND.
Associate Recommended to the Market Balland A Technology
Mechanical Englisher Ling Mechanical Eng

EXTERNAL EXAMINER

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Engineering & Techno:
SURAMPALEM- 533 437

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY SURAMPALEM

UGC under section 2(f) of UGC Act 1956

Aditya Nagar, ADB Road,

Surampalem - 533437

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This to certify that the project entitled "MODELLING AND IMPLEMENTATION
OF DUAL AXIS SOLAR TRACKING SYSTEM" is submitted by

CHINTALA JAGADEESH	(18P35A0316)
GORTHI SIVA VIJAY	(18P35A0330)
GORRELA SUBHAKAR GANESH	(17P31A0317)
BONDA PREM KUMAR	(18P35A0309)
GANTA THARUN PHANI SURYA PRASANTH	(18P35A0327)

In partial fulfilment of the requirement for the award of in Bachelor of Technology in Mechanical Engineering, during the academic year 2017-2021.

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

PAND DONALD M.S.

Sr. Assistant Professor

Dest. of Mechanical Engineering

Head of the Department

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External Examiner

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2017 - 2021

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "Design and Analysis of Valve gear mechanism Using Finite element analysis" is being submitted by

BURRI SIVA	17P31A0309
------------	------------

MUHAMMED ASIN HIJAN 17P31A0324

K J D V KRISHNA 17P31A0318

In partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING, during the academic year 2017-2021. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree.

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PO 26/03/21

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Recognized by UGC under section 2(f) and 12(B) of UGC Act 1956.

Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "CRACK INITIATION AND PROPAGATION ANALYSIS ON HEAVY VEHICLE PROPELLER SHAFT BY USING WAVELET TRANSFORM" is being submitted by

NAVUDU BHARGAV	[18P35A0361]
SHASHI SHANKAR MANDI	[17P31A0331]
D.V.S.S. SUBBARAJU	[17P31A0345]
CH SAIRAM	[17P31A0341]
P HARISH	[17P31A0349]

In partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2020-2021. The results embodied in this report have been submitted to any other institute or university for the award of any degree.

PROJECT/GUDE 15/07/21

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Associate Professor Mechanical Engineering Department HEAD OF THE DEPARTMENT

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Associate Professor & Head

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Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "DESIGN AND PROTOTYPE OF SMART HOISTED DELTA PICK AND PLACE ROBOT" submitted by

KANTHI ANAND PRASAD	(18P35A0340)
MOHAMMAD ABDUL JAVEED	(18P35A0354)
MUPPIDI SRINIVASAREDDY	(18P35A0357)
MATTAPARTHI PURUSHOTHAM	(18P35A0351)
BONDA SRI GANESH SAI PAVAN	(17P31A0339)

In partial fulfilment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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.

PROJECT GUIDE

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CERTIFICATE

This is to certify that the project report entitled "DESIGN AND PROTOTYPE OF SMART MATERIAL HANDLING SYSTEM" Submitted by

18P35A0343	K. Uma Venkata Durga Rao
18P35A0353	M. Bapiraju
18P35A0355	Md. Mohiddin Khan
18P35A0342	K. Surya Venkata Prakash Rao
17P31A0343	D. Narasimha Ganesh

In partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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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HEAD OF THE DEPARTMENT

DR. DANAIAH PULI, M.Tech., Ph.D.

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ii

ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY (Approved by AICTE, Permanently Affiliated to JNTUK, Accredited by NAAC)

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

Kakinada-533003

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled " DESIGN OF PORTABLE ELECTRIC POWER TRILLER MACHINE "is being submitted In partial fulfilment of the requirement for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2020-2021

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

Submitted by

G.SAI	(18P35A0334)
R.KALYAN	(17P31A0330)
K.VINAY DATTA	(17P31A0352)
J.VEERA VENKATA SRINIVASU	(17P31A0351)
N.JAGADEESH	(18P35A0362)

PROJECT GUIDE

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EPARTMENT

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Associate professor

Mechanical Engineering Department

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Aditya College of Engineering & Terling SHIDAMPALES

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Surampalem, E.G. Dist., AP – 533 437, MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "DESIGN OF PORTABLE ELECTRICAL GRAIN DRYER" Submitted by

K. SATYATEJA	18P35A0344
B. MAHESH	17P31A0340
D. SURESH	17P31A0344
K. YESWANTH	17P31A0356
G. NARENDRA KUMAR	17P31A0347

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2020-2021. 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.

PROJECT GUIDE

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Assistant Professor

Mechanical Engineering Department

HEAD OF THE DEPARTMENT

Dr. DANAIAH PULI, M.Tech, Ph.D

Associate Professor & Head

Mechanical Engineering Department

EXTERNAL EXAMINER

ii

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

Aditya Nagar, ADB Road, Surampalem -533437

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled

"FABRICATION AND TESTING OF NEEM SHELL RESIN, BAMBOO AND PINEAPPLE FIBER REINFORCED COMPOSITES"

M.LAKSHMI VIGNESH	18P35A0349
K.SRIHARI	18P35A0345
N.CHANDRAMOULI	18P35A0359
P. JOEL, VIJAYDEEP	16A91A03C9

In partial fulfilment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING to Aditya College of Engineering & Technology, during the academic year 2017-2021. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree.

Project Guide

MR.M.RAMBABU,M.Tech.,

Assistant Professor

Mechanical Engineering Department

Head of the Department

Dr.DANAIAH PULI, M.Tech., Ph.D

Associate Professor

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External Examiner

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Aditya Nagar, ADB Road, Surampalem -533437

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled "Thermal Analysis and Optimization of I.C

Engine Piston Using Finite Element Method" is being submitted by

R.CHANDRAKALYAN	17P31A0329
K.SIVA SUBHRAMANYAM	18P35A0346
Y.SAI VAMSI REDDY	17P31A0337
N.UMA MAHESH	18P35A0360
K.LEELA SATYA KRISHNA	18P35A0337

In partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING to Aditya College of Engineering & Technology, during the academic year 2017-2021. The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree.

16 7/21

SATYA MOHAN, M. Tech., Ph.D

Associate Professor

Project Guide

Dr.DANAIAH PULI, M.Tech., Ph.D

Associated Population of the Associated Population of the Admiration of the Admirati

Dr

External Examiner

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Recognized by UGC under section 2(f) and 12(B) of UGC Act 1956.

Surampalem, E.G. Dist., AP – 533 437. MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project entitled "CRACK INITIATION AND PROPAGATION ANALYSIS ON HEAVY-VEHICLE PROPELLER SHAFT BY USING WAVELET TRANSFORM" is being submitted by

NAVUDU BHARGAV	[18P35A0361]
SHASHI SHANKAR MANDI	[17P31A0331]
D.V.S.S. SUBBARAJU	[17P31A0345]
CH SAIRAM	[17P31A0341]
PHARISH	[17P31A0349]

In partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2020-2021. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

Dr. P. GANGADHARA RAO, M.Tech, PhD

PROJECT GUIDE 75/07/21

Associate Professor

Mechanical Engineering Department

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