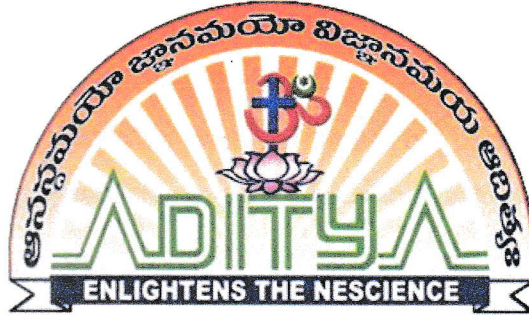


ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the main project work entitled “**DESIGN & FABRICATION FOLDABLE E-BICYCLE**” being submitted by


SIDDANI SAI SANTHOSH	19P35A0338
THATIKAYALA APUROOP SAMUEL	19P35A0341
TANGETI SRINIVAS	19P35A0340
POLUPARTHI JAGAN	19P35A0330
KEYA DUTTA	19P35A0301

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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. B. JAGADISH, M.Tech
Assistant Professor
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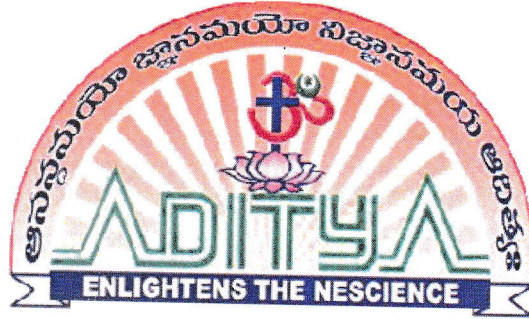
Head of the Department


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External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the main project work entitled "**FABRICATION OF SOLAR WOOD CUTTER**" being submitted by

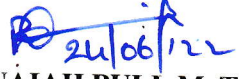
VELUGUBANTI DURGA KALYAN	19P35A0344
TAMIRI ABHIRAM	19P35A0339
VALTHERU SRI VENKATA SAI RAJ	19P35A0343
SETTIBATHULA PREM SANDEEP	19P35A0335
MAJETI SAMPATHKUMAR	18P31A0320

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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

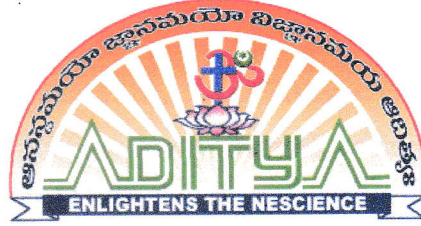

Mr. CH. RAMPRASAD, M.S
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Head of the Department


Dr. DANAIHA PULI, M. Tech, Ph.D
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DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the project report entitled “DESIGN AND FABRICATION OF QUAD PROCESSING MACHINE” Submitted by

B. DURGA PRASAD	19P35A0308
P. VEERABABU	19P35A0329
N. SURESH	19P35A0325
B. V. SAI SATWIK	18P31A0303
M. SIVA KRISHNA	19P35A0322

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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 Raju, M.Tech

Assistant professor

Dept. of Mechanical Engineering

HEAD OF THE DEPARTMENT


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

Professor & Head

Dept. of Mechanical Engineering

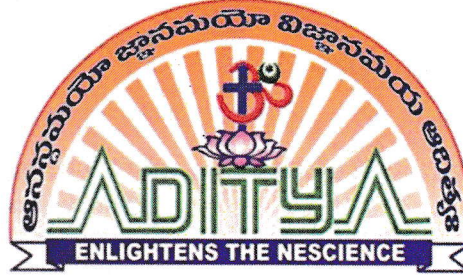
Head of the Department
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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled

**"DESIGN AND FABRICATION OF FOLDABLE CHAIN FOR
FRUIT SORTING MACHINE"**

being submitted by

GUNDUBOGULA RAJESH	18P31A0315
KRITYATIRTHA PAUL	18P31A0319
K.D.V.V.S. VARA PRASAD	19P35A0323
B. JOHN MOSES	19P35A0309
T. B. S. VARA PRASAD	19P35A0342

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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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Associate Professor

Dept. of Mechanical Engineering

Head of the Department

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

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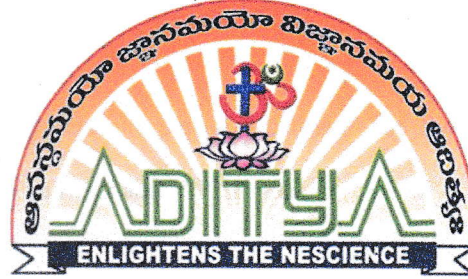
**Head of the Department
Dept. of ME**

**Aditya College of Engineering
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SURAMPALEM-533437**

External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**PROTOTYPE OF AUTOMATED 2D PLOTTER USING RPA**” being submitted by

BEJAWADA CHINNARAJA

18P31A0306

BASWA GANGA AVINASH

18P31A0304

MATHSA DURGA PRASAD

18P31A0321

SHAIK ABDUL KHADAR

19P35A0336

DASARI SIVA DURGA VAMSI

18P31A0310

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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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Dept. of Mechanical Engineering

Head of the Department

Mechanical Engineering

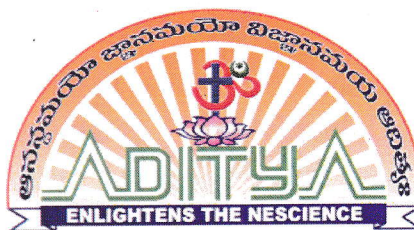
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SURAMPALEM 533 437

External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**PERFORMANCE ASSESSMENT ON DOUBLE SLOPE SOLAR STILL USING PHASE CHANGE MATERIAL**” Submitted by

BHAGAVATHULA SAI UDAY KIRAN	19P35A0307
GUTHULA ARAVIND	19P35A0318
CHIMMALAPUDI SUDHEER	19P35A0313
CHILUKURI BHARGAV SRI	18P31A0309
BOBBA VINOD CHOWDARY	18P31A0308

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2021-2022. 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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Associate Professor

Dept. of Mechanical Engineering


HEAD OF THE DEPARTMENT

Dr. DANAI AH PULI, M. Tech, Ph.D.

Associate Professor & Head

Dept. of Mechanical Engineering

Head of the Department

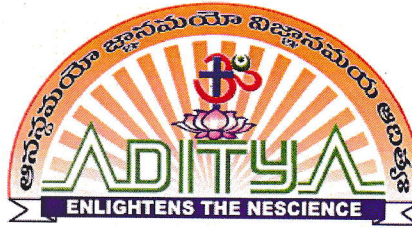
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Aditya College of Engineering
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SURAMPalem-533437


EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

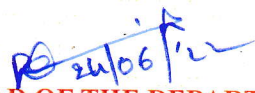
This is to certify that the project report entitled “**DESIGN AND FEA OPTIMIZATION OF NANO COATED KIRLOSKAR ENGINE CYLINDER FINS**” Submitted by

ANGARAPU BHASKAR	19P35A0304
A NAGA VENU SATYA BHARGAV	18P31A0301
ALLU RAJESH	19P35A0303
SATHI SAI DURGA REDDY	19P35A0333
JALLI STANLEY LIVING STONE	18P31A0317

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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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Dr. DANAIAH PULI, M.Tech, Ph.D
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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**EVALUATING THE EFFECTS OF HIGH FUEL INJECTION PRESSURE IN CRDI DIESEL ENGINE FUELED WITH ALGAE BIOFUEL**” being submitted by

KOSIREDDY CHARAN	18P31A0318
GUDIVADA HARISH	19P35A0316
D S KISHORE VARMA	19P35A0315
PAMPANA GIRISH KUMAR	19P35A0327
BATCHALA YASHWANTH	18P31A0305

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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

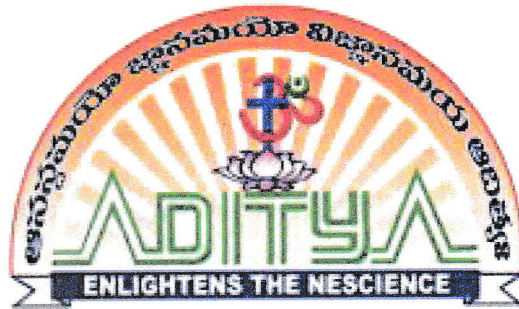
100/23/6/22
Dr. K SIVA SATYA MOHAN
Associate Professor
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Head of the Department

23/06/22
Dr. DANAIAH PULI,
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Head of the Department
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[Signature]
External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**EXPERIMENTAL INVESTIGATION ON PERFORMANCE OF SOLAR PANEL WITH COOLING METHOD**” being submitted by

THOTA ALEKHYA	19P35A0302
Y SURENDRA KUMAR	19P35A0348
SK NOORMOHAMMAD SHAKEEL	19P35A0337
A AKARSH PRAVEEN	19P35A0305
Y PRADEEP KUMAR	19P35A0347

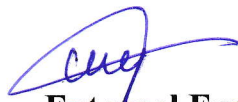
In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma.



Project guide
Mr. K. Vijay, M. Tech
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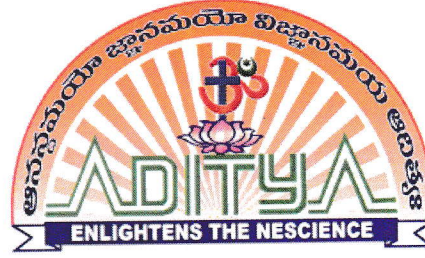


Head of the Department
Dr. DANAIAH PULI, M. Tech, Ph.D
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External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled

Dynamic and Mechanical Analysis Based on BIO-Degradable Meta Structures

being submitted by

PINDI NAGA VENKATA SURYA SAI KUMAR 17A81A0334

VEMPADA DINESH AMBIKA PRASAD 19P35A0345

J V V S D MANJUNATH PITTA 18P31A0316

GOPISETTI SATISH 18P31A0313

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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. N. STANLEY EBENEZER, Ph.D.

Assistant Professor

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Head of the Department

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Professor

Dept of Mechanical Engineering

Head of the Department
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SURAMPalem 533 437

External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE


This is to certify that the main project work entitled “**CORROSION BEHAVIOR OF
Ti-6Al-4V ALLOY PREPARED BY TWO TECHNIQUES OF 3DPRINTING**”

being submitted by

PYDIKONDALA JAYA VINAY	19P35A0332
GUNDA SANTHOSH KUMAR	18P31A0314
KALADI MOHAN SASI VARMA	19P35A0319
PULIDINDI BHANU PRATAP	19P35A0331
MEKA NARENDRA	18P31A0322

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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.

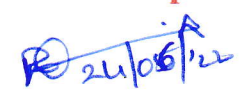
Project guide


Mrs. A. L. JYOTHI, M.Tech, (Ph.D)

Assistant Professor

Dept of Mechanical Engineering

Head of the Department


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

Professor

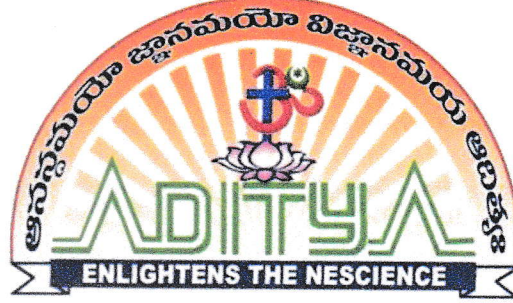
Dept of Mechanical Engineering

Head of the Department
Mechanical Engineering
Aditya College of Engineering & Technology
SURAMPALEM 533 437


External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



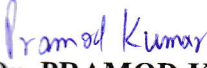
CERTIFICATE

This is to certify that the main project work entitled “**STUDY ON FRICTION STIR WELDING FOR SIMILAR AND DISSIMILAR JOINING OF ALUMINIUM ALLOYS**” being submitted by

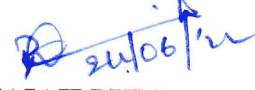
VUSA NAGA RAMU	19P35A0346
DEVAGALLA SAIRAM VARA PRAKASH	19P35A0314
KINGAM RAVITEJA	19P35A0321
CHEVALA PAL MANIRAJ	19P35A0312
NAGAMALLA RUDRA VENKAT	18P31A0323

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Project Guide

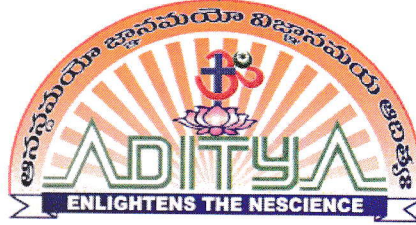

Dr. PRAMOD KUMAR, M.Tech, Ph.D..
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External Examiner

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**HAND GESTURE CONTROL TRIANGULAR ROBOTS USING OPEN CV**” Submitted by

18P31A0311
19P35A0324
19P35A0306
19P35A0311
18P31A0307

DESINEEDI YASWANTH KUMAR
MARRI RAJ KUMAR
BASWA RAJESH
CHEKKA DURGAPRASAD
BHOGADI SAI BHANU DEEPAK

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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

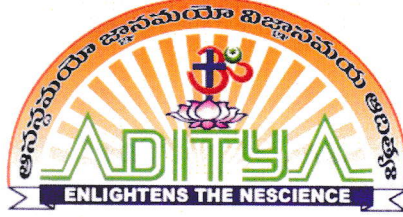
Mr. V S SURYA PRAKASH M.E.,(Ph.D)
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Dr. DANAIAH PULI, M.Tech, Ph.D
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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**SIMULATION FOR PATH PLANNING OF MOBILE ROBOT**” Submitted by

18P31A0302	ABHISHEK SINHA
19P35A0326	NEELA RAVI TEJA
19P35A0328	PASALAPUDI MAHESH
19P35A0317	GUGGILAPU JAYA KRISHNA
18P31A0324	BHANU PRAKASH NALLAMSETTI

in partial fulfilment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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


HEAD OF THE DEPARTMENT

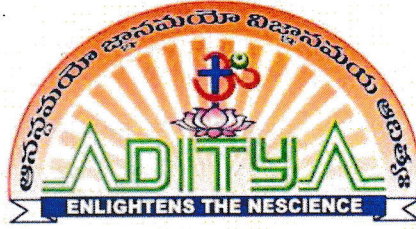
Dr. CH V V M J SATISH, M.Tech, Ph.D
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Dr. DANAIAH PULI, M.Tech, Ph.D
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SURAMPALEM 533 487

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**DESIGNING AND FABRICATION OF CNC LASER ENGRAVER**”

being Submitted by

RELANGI SRI VEERA VENKATA CHANDU 18P31A0331

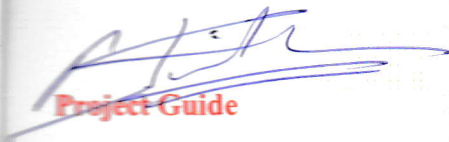
NANDIPATI SIVA SUBRAMANYANAM 18P31A0326

VVV N MANIKANTA 19P35A0391

K SATISH KUMAR 18P31A0347

B CHAITANYA 19P35A0355

In partial fulfilment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2018-2022. 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. P.JAI KISHAN, M. Tech
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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
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CERTIFICATE

This is to certify that the main project work entitled “**Study on Firecracker Welding Process Parameters on the Mild Steel Plate**” being submitted by

M.Veerendra	19P35A0375
S.Ayyappa Swami	18P31A0335
G.RamaChandrarao	19P35A0360
K.Pavan Kumar	19P35A0367
S.V.M.Swamy Naidu	18P31A0333

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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

[Signature]
24/06/2022

Dr. AKHILESH KUMAR SINGH, M. Tech., Ph.D.
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Dept. of Mechanical Engineering

Head of the Department

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24/06/22

Dr. DANAIAH PULI, M. Tech., Ph.D.
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Head of the Department
Dept. of ME
Aditya College of Engineering
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[Signature]
TOTGT

External Examiner

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**DESIGN & FABRICATION OF HYDROPONICS**” being submitted by

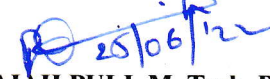
RAYUDU SAI KRISHNA	19P35A0384
KANDIRELLI VEERABABU	18P31A0348
KOTHA V V SATYANARAYANA	18P31A0350
KARRI KARUNA KUMAR	19P35A0369
BOGAVALLI DEVI KRISHNA TEJA	19P35A0356

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Project guide


Dr. T. SRIHARI, M.E, Ph.D. (IIT, Delhi)
Professor
Dept. of Mechanical Engineering

Head of the Department

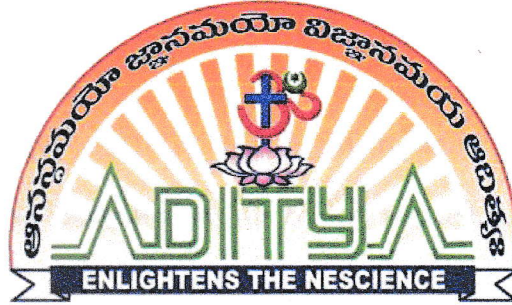

Dr. DANAIAH PULI, M. Tech, Ph.D.
(NIT, Warangal)
Professor & Head
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External Examiner

Head of the Department
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SURAMPALAM-533437

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DEPARTMENT OF MECHANICAL ENGINEERING



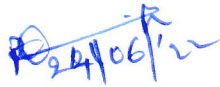
CERTIFICATE

This is to certify that the main project work entitled “**DESIGN AND FABRICATION OF 360 DEGREE ROTATING VEHICLE**” being submitted by

P. GANGADHAR	19P35A0380
G. VEERENDRA	19P35A0362
A. NARENDRA	18P31A0337
G. BALA MANIKANTA	19P35A0363
A. SAI MADHU	18P31A0338
Y. SAI BRAHMAJI	19P35A0394

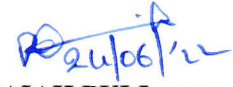
In a partial fulfillment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma.

Project guide



Dr. DANAIAH PULI, M. Tech, Ph.D
Professor & Head
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Head of the Department



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SURAMPalem 533 437



External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the main project work entitled “**SOLAR GRASS CUTTER WITH LINEAR BLADES BY USING ROLLER FOLLOWER MECHANISM**” being submitted by

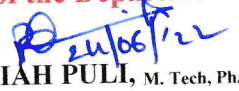
ANUSURI RAMESH	19P35A0351
AVALA SAI KRISHNA	19P35A0352
MOHAMMAD MUZAMMIL SHARIEF	19P35A0378
KODURI AKHIL	19P35A0376
BEJAWADA CHINNAYYA DORA	18P31A0341

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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. ABDUL ARIF, M.Tech
Assistant Professor
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External Examiner

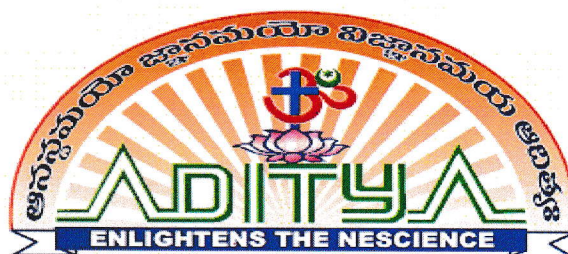
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Recognized by UGC under section 2(f) and 12(B) of UGC Act 1956.

Surampalem, E.G. Dist., AP – 533 437.

MECHANICAL ENGINEERING DEPARTMENT



CERTIFICATE

This is to certify that the project report entitled “**DESIGN AND ANALYSIS OF A GAS TURBINE BLADE OF VARIOUS MATERIALS (AL2024, INCONEL 718, TECHNIUM, 6061-T6)**”
Submitted by

V.SRINIVAS	19P35A0390
G. SURENDRA KUMAR	19P35A0361
B. ARAVIND SWAMY	18P31A0342
A. DURGA PRASAD	19P35A0350
D. RAKESH	18P31A0344

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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.

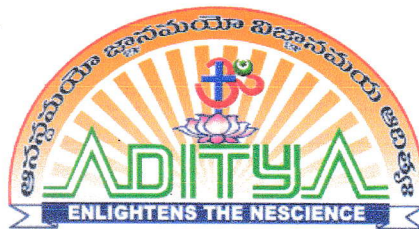
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HEAD OF THE DEPARTMENT

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

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



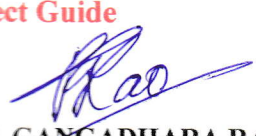
CERTIFICATE

This is to certify that the main project work entitled **“EIGHT-LEGGED ROBOT
USING THEO JANSEN MECHANISM”** being Submitted by

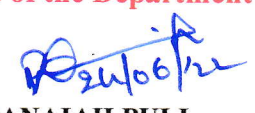
NANDIPATI AVINASH	18P31A0325
TALARI CHITTI SAI RAM	19P35A0387
POLAM.S.Ch. V. V. NAGABABU	18P31A0328
POTHALA VIVEK SAI	18P31A0329
GOPU AKASH	19P35A0364

in partial fulfillment of requirement for the award of Bachelor of Technology degree
in Mechanical Engineering during the academic year **2021-2022**. The results
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Project Guide


Dr. P. GANGADHARA RAO, M. Tech, Ph. D
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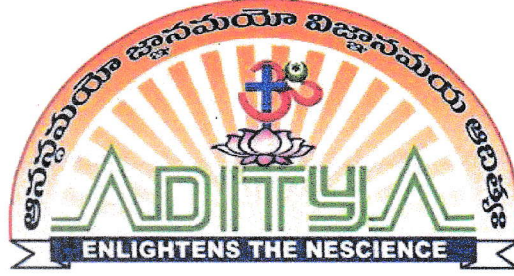
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Head of the Department
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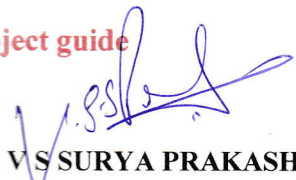
CERTIFICATE

This is to certify that the main project work entitled “**HAND GESTURE CONTROL TRIANGULAR ROBOTS USING OPEN COMPUTER VISION**” being submitted by

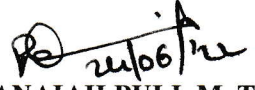
MAMIDI BHAGAVAN	19P35A0374
PRIYANSHU KUMAR	18P31A0330
ADABALA MANIKANTA	19P35A0349
ATAPAKALA VENKATESH	18P31A0340

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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. V S SURYA PRAKASH, M.E, (Ph.D)
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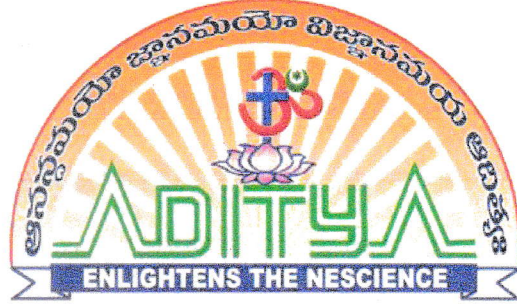
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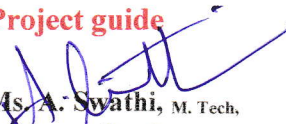
CERTIFICATE

This is to certify that the main project work entitled “**DESIGN & ANALYSIS OF CONNECTING ROD**” being submitted by

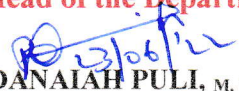
MEESALA TEJA SUBRAHMANYAM	19P35A0377
KURRA PAPARAO	19P35A0373
TOLUM JYOTHI PRASAD	19P35A0389
VITTANALA VIVEK	19P35A0392
GUTTULA RAM PRAKASH	18P31A0345

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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


Ms. A. Swathi, M. Tech,
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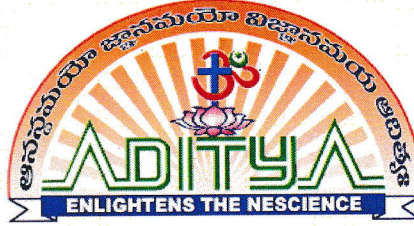
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External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

**“STATIC ANALYSIS OF A HELICAL SPRING WITH
COMPOSITE MATERIALS”**

Submitted by

AMBATI SURYA BHAGAVAN	18P31A0339
ALAVARAPU VENKATA SAI GANESH	19P35A0396
CHALAPATHI SURESH KUMAR	19P35A0357
MAJJI SHANKER SAI RAM	19P35A0393
INTI RAMAKRISHNA	18P31A0346

Submitted in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2021-2022. 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. GANGADHARA RAO, M. Tech. PhD
PhD
Associate Professor
Dept. of Mechanical Engineering
Engineering

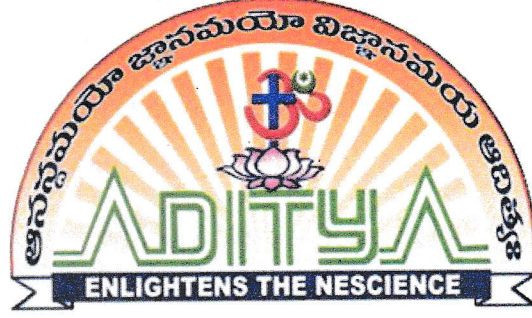

HEAD OF THE DEPARTMENT

Dr. DANAIAH PULLI, M. Tech,
Professor & Head
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Engineering


EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**ANALYTICAL ANALYSIS TO STUDY EFFECTIVENESS OF SPIRAL PLATE HEAT EXCHANGER**” being submitted by

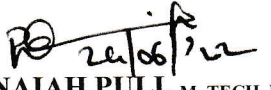
PACHARI SATISH	19P35A0379
KOLUKULURI VIVEKANANDA VARMA	19P35A0372
PRODDUKU M KEERTHIKIRAN	19P35A0382
KALKI BHAGAVAN KAJA	19P35A0366
SENAPATHULU PRAVEEN KUMAR	18P31A0332

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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. ABDUL ARIF, M. TECH.
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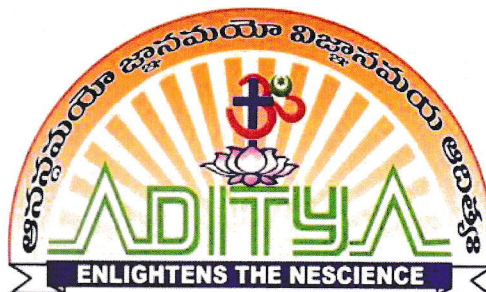
Head of the Department


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External Examiner

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**STRUCTURAL
AND THERMAL ANALYSIS OF DISC BRAKE**” being submitted
by

R. VENKATA VAMSI	19P35A0385
B.V. S. NAVEEN REDDY	19P35A0353
CH.V.S. AJAY KUMAR	19P35A0358
K.D.S.S.N. BABU	19P35A0370
Y.V. KRISHNA VAMSI	18P31A0336

In a partial fulfillment of the requirement for the award of the B.
Tech degree in Mechanical Engineering for the academic year 2021-2022.
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. M. RAMBABU, M. Tech
Associate Professor
Dept. of Mechanical Engineering

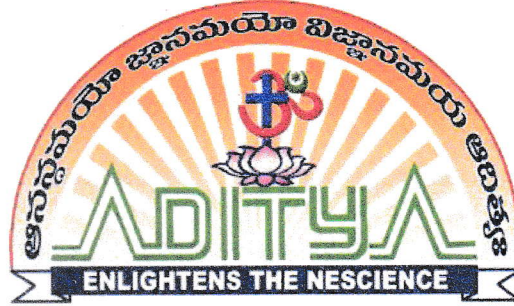
Head of the Department
Dr. DANAIAH PULI, M. Tech, Ph.D
Professor & Head

Dept. of Mechanical Engineering
Head of the Department
Dept. of ME
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External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**DESIGN & FABRICATION OF REMOTELY CONTROLLED FOOD SERVING ROBOT**” being submitted by

BARLA HANOK KUMAR	19P35A0354
KOLA V.V.S.S NAGA SAI	19P35A0371
ALLADA PURNA MANIKANTHA	19P35A0395
PENTA VENKATESH	19P35A0381
PUSAPATI SAI MANEESH	19P35A0383

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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. T. SRIHARI, M.E., Ph. D (IIT, Delhi)
Professor
Dept. of Mechanical Engineering

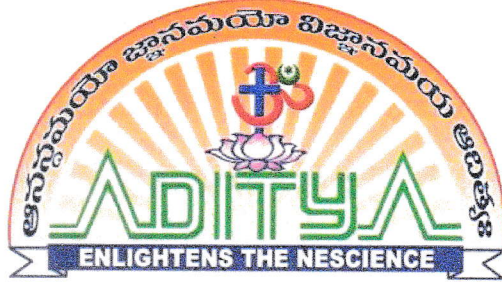

Head of the Department

Dr. DANAIAH PULI, M. Tech, Ph.D
Head of the Department
Professor & Head
Dept. of Mechanical Engineering
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SURAMPALEM-533437


External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**AN EXPERIMENTAL INVESTIGATION ON CRDI DIESEL ENGINE COUPLED WITH EGR USING COTTON SEED BIO-DIESEL**” being submitted by

SONTENA JAGADEESH	19P35A0386
DESAPALLI RAJGOPAL	19P35A0359
KANDULA SRI HARSHA VARDHAN	19P35A0368
ICHAPURAPU VISHNU JYOTHI SWAROOP	19P35A0365
THUMU VENKATA ESWARA SWAMY	19P35A0388

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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

Kee 23/6/22
Dr. K. SIVA SATYA MOHAN,
Associate Professor
Dept. of Mechanical Engineering

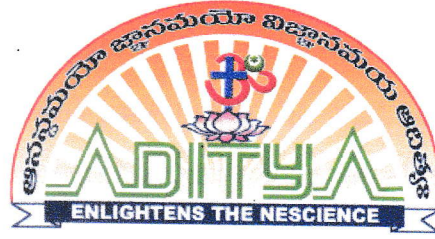
Head of the Department

[Signature]
Dr. DANAIAH PULI,
Professor & Head
Dept. of Mechanical Engineering
Head of the Department
Mechanical Engineering
Aditya College of Engineering & Technology
SURAMPALEM 533 437

[Signature]

External Examiner

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the project report entitled "**Low Pressure Sand Casting with Cooling Method**" Submitted by

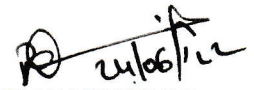
PUPPALA RAVITEJA	18P31A0362
KANAKAM LOHIT	19P35A03B3
BADDI HARIKRISHNA	19P35A0397
SURISSETTI RAJA	19P35A03D3
MUNGANDA POORNA KUMAR	19P35A03C4

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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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Associate Professor & Head
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EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**EXPERIMENTAL STUDIES ON THE EFFECT OF TERTIARY AMYL ALCOHOL GASOLINE BLENDS ON PERFORMANCE AND EMISSION CHARACTERISTICS OF SI ENGINE**” Submitted by

SOMISETTI VENKATESH	18P31A0368
GUTTULA MANIKANTA	19P35A03B0
SANTOSH MAHARA	18P31A0371
KOPPISETTI DINESH VARDHAN	19P35A03B6
ADABALA RAMESH	18P31A0364
DHRITIMAN DEKA	15P31A0315

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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.

Signature

PROJECT GUIDE

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Signature

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Head of the Department
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Aditya College of Engineering & Technology

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Professor & Head
Dept. of Mechanical Engineering

Signature

EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the main project work entitled “**POWER GENERATION USING RAILWAY TRACK MODEL WITH SOLAR BACKUP – A PROTOTYPE MODEL**”
being submitted by


GOLI SIVANNARAYANA	19P35A03A9
PINDI BALU	18P31A0361
CHUKKA SIVAJI GANESH	19P35A03A5
VLUGA SAI VEERENDRA	19P35A03D8
MUMMIDI SUBRAHMANYAM	18P31A0354


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Project guide


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Head of the Department


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ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled “**PERFORMANCE STUDY ON DOUBLE SLOPE BASIN SOLAR STILL USING FLOATED WICK MATERIAL**” being submitted by

YALLA SATYA DURGA PRASAD	19P35A03D9
BENGU KASI RAO	19P35A03A0
GONDESI RAVI TEJA REDDY	19P35A03E4
ROTTA YESODAVARDHAN GANESH	19P35A03E0
RAVULA VEERA VENKATA SATYANARAYANA MURTHI	18P31A0365


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Project Guide

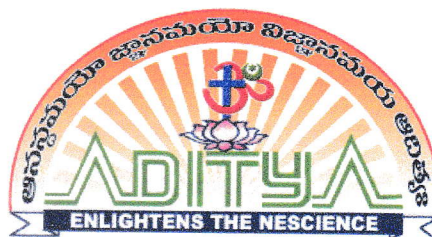
Head of the Department
Dept. of ME
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Dept. of Mechanical Engineering


External Examiner

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**DESIGN & FABRICATION OF AUTOMATIC DRAINAGE CLEANING SYSTEM USING SOLAR PANEL**”
Submitted by

M. AJAY	18P31A0355
K. BHANU PRAKASH	19P35A03B5
V. V. N. BALAJI	19P35A03D6
P. SRINIVAS	18P31A0360
M. VEERA RAGHVULU	18P31A0356

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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. G. V. S. SRINIVAS, M.Tech

Assistant Professor

Dept. of Mechanical Engineering

Head of the Department

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

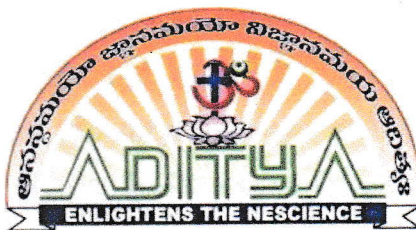
Professor & Head

Dept. of Mechanical Engineering

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SURAMPALEM-533437**

EXTERNAL EXAMINER

ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certify that the project report entitled “SELF BALANCED ELECTRIC BICYCLE USING GYROSCOPIC EFFECT” Submitted by

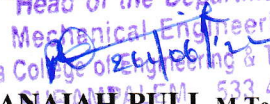
J. N MANIKANTASWAMY	19P35A03B1
T.H. M R KESAV	19P35A03D4
V.V.S.R SIVA SAI	18P31A0369
B.G.NAGASAI RAM	19P35A03A2
R. K. S S S R K K RAYADU	18P31A0363

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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

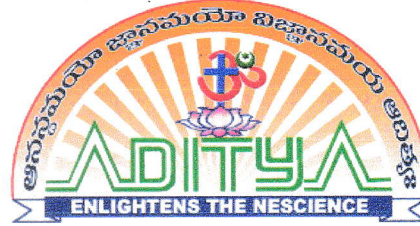

Dr. P. GANGADHARA RAO, Ph.D
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Dept. of Mechanical Engineering

HEAD OF THE DEPARTMENT


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Professor & Head
Dept. of Mechanical Engineering


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DEPARTMENT OF MECHANICAL ENGINEERING



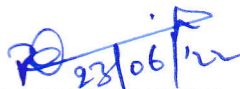
CERTIFICATE

This is to certify that the project report entitled “**Design of Automated Aeroponic Tower**” Submitted by

KOVVURI MANIKANTA REDDY	18P31A0351
SAANIPINI SATYA VAMSI	18P31A0366
MANUGULA NAGABABU	19P35A03C2
RAYUDU RAKESH	19P35A03D1
N G SATYA MANIDEEP	18P31A0358

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year **2021-2022**. 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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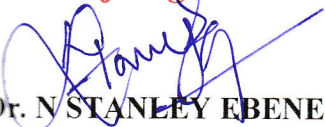
This is to certify that the main project work entitled “**DYNAMIC BEHAVIOUR OF META STRUCTURED A356 ALLOY**”

being submitted by

POLUPARTI MOHIT BULLI VENKAT VIJAY	19P35A03C9
CHINTALA DEVI PRASAD	19P35A03A3
AKKAENA DINESH	19P35A0398
PRAKASH KUMAR CHAUDHARY	17P31A03A1
LINGIBERI GIRISH	19P35A03B9
VINTHA MANOJ KUMAR	19P35A03D7

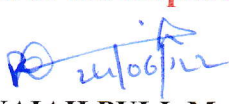
In partial fulfillment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. The results embodied in this project report have not been submitted to any other institute or university for the award of any degree or diploma.


Project guide


Dr. N STANLEY EBENEZER, Ph.D.
Assistant Professor

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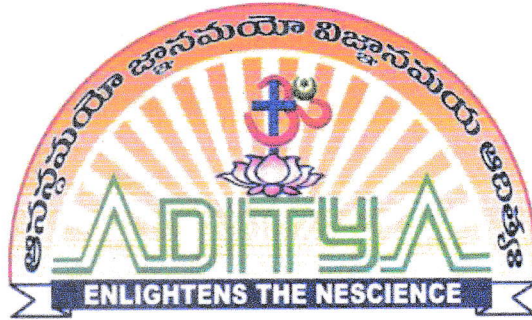
Head of the Department


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External Examiner

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the main project work entitled "**INVESTIGATION OF EFFECT OF BACKING PLATE IN TIG WELDING OF STAINLESS STEEL 304L**" being submitted by

YELURI JASWANTH	19P35A03C1
BANDARU NAGA PRAVEEN	19P35A0399
BODDU MANOJ KUMAR	19P35A03A1
EEPU SAGAR MADHAN KUMAR	19P35A03A7
BONGU AYYAPPA SHARAN	19P35A03A4
KUNCHE POORNA RAVI TEJA	19P35A03B8

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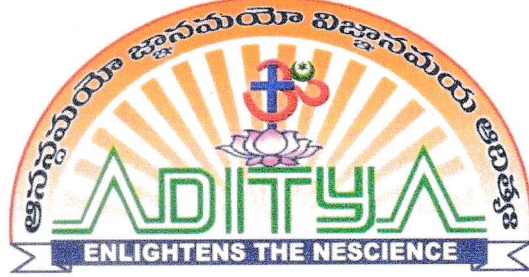
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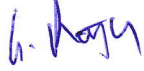
CERTIFICATE

This is to certify that the project report entitled “**EXPERIMENTAL STUDY ON FLAT PLATE SOLAR STILL USING THERMAL CONDUCTIVITY ENHANCED WICK MATERIALS**” submitted by


MURTHIPATI LOKESH	19P35A03C5
PAGADALA SATHISH KUMAR	19P35A03C7
KUNCHAE AVINASH	19P35A03B7
POLAVARAPU DURGA PRASAD	19P35A03E2
KASI NIKHIL	19P35A03B4

In a partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2021-2022. 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.

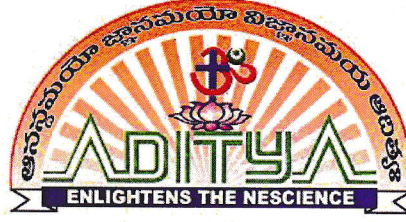
Project Guide


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CERTIFICAT

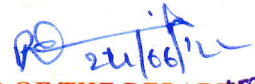
This is to certify that the main project work entitled "**AN INVERSE KINEMATICS
APPROACH FOR DESIGN AND FABRICATION OF PICK AND PLACE
ROBOTIC ARM**" being submitted by

PENUMALLU PRASANNA KUMAR	19P35A03C8
NAGALA LOKESH	19P35A03C6
POTHALA MAHESH	19P35A03D0
MENNIDI KAILASH	19P35A03C3
MADEPALLI ESWAR SURYA CHAKRARAO	18P31A0353

In a partial fulfilment of the requirement for the award of the B. Tech degree in Mechanical Engineering for the academic year 2021-2022. 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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DEPARTMENT OF MECHANICAL ENGINEERING




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This is to certify that the main project work entitled “**FABRICATION OF AGRICUTURE SPRAYER**” being submitted by

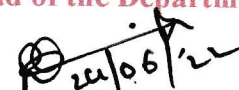
THOMMANDRA ASHOKVAMSI	19P35A03D5
GANGUMALLA RAMESH	19P35A03A8
SIDAGAM B K S SWAMY	19P35A03D2
YERRA V S M KRISHNA	18P31A0352
SINGIREDDI RAJESH	18P31A0367


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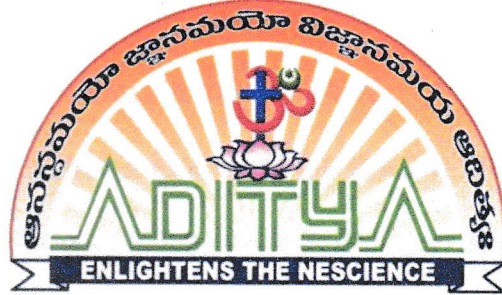
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CERTIFICATE

This is to certify that the main project work entitled “**Study on Firecracker Welding Process Parameters on the Stainless-Steel Plates**” being submitted by

SK. THAMMAN ABBAS	19P35A03E1
M.V. VENKATESWARA RAO	19P35A03C0
G. DIVYA CHAITANYA	19P35A03E3
K. SAIKUMAR	19P35A03B2
N. KRUPAKAR	18P31A0357


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