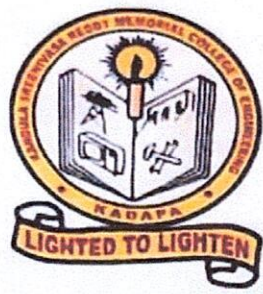


K.S.R.M COLLEGE OF ENGINEERING

(AUTONOMOUS)


Approved by A.I.C.T.E, New Delhi, Affiliated to JNTUA, Ananthapuramu
Accredited by NAAC, New Delhi An ISO 14001:2004 & 9001:2015 certified Institution
Kadapa - 516003 (A.P)

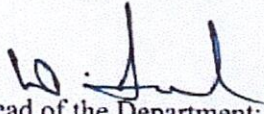
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

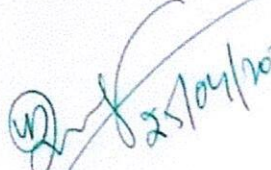
This is to certify that the project report entitled (**Testing of Mechanical Properties on Composite Materials**), is being submitted by **A. Thulasi Deepa - (209Y1A0301), B. Bharath - (209Y1A0304), B. Dinesh Kumar - (209Y1A0305), C. Vandana Evangeline - (209Y1A0310)** to **K.S.R.M College of Engineering (AUTONOMOUS), Kadapa** in partial fulfilment of the requirement for the award of the degree of "BACHELOR OF TECHNOLOGY" in "**MECHANICAL ENGINEERING**" is a bonafide record of the **PROJECT** under our supervision during the period 2023-2024.


Project Guide:
DR. D. Ravi Kanth, MTech, Ph.D.
Professor & Head of the Department,
Dept. of Mechanical Engineering.


Head of the Department:
DR. D. Ravi Kanth, MTech, Ph.D.
Professor & Head of the Department,
Dept. of Mechanical Engineering.

Date: 25-04-2024


Internal Examiner


External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

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

(Accredited by NMAA & NBA of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA - 510003 (A.P)

1973-2014

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Major project report entitled "FABRICATION OF A SEMI AUTOMATIC PORTABLE DRAIN CLEANER USING CHAIN MECHANISM", is being submitted by CHAKALI SEKHAR (209Y1A0307), CHAVVA SRINIVASULA REDDY (209Y1A0309), DASARIBOYINA SAI KUMAR YADAV (209Y1A0313), KORIVI POLI REDDY (209Y1A0326), YARRAVAGARI MOHANA SREE (209Y1A0367) in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a Bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

[Signature]

Project Guide:

Sri C. NAGARAJA, M. Tech
Assistant Professor,
DEPARTMENT OF ME.

[Signature]
INTERNAL EXAMINER

[Signature]

Head of the Department:

Dr. D. RAVIKANTH, M. Tech., Ph.D.,
Professor & HOD,
DEPARTMENT OF ME

[Signature]
EXTERNAL EXAMINER

(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
 (AUTONOMOUS)
 (Accredited by NAAC & NBA, New Delhi)
 (Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
 KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “**FABRICATION OF SOLAR CHARGED ELECTRIC SCOOTER**” is being submitted by **E.GIRIDHAR KUMAR (209Y1A0315), C.YASWANTH KUMAR (209Y1A0308), D.SIDDIQ (209Y1A0311), D.VAMSIDHAR REDDY (209Y1A0312), G.YUGANDHAR CHOWDARY (209Y1A0320)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Sri. B. SRIHARI MTech.
 Assistant Professor

Project Co-ordinator
Sri. P. SIVASESHU, M Tech
 Assistant Professor

Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
 Professor & HOD

Date: 25/04/24

Internal Examiner

External Examiner

**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi) (Approved by AICTE, New Delhi
& Affiliated to JNTUA, Ananthapuramu) KADAPA - 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled "DESIGNING A SYSTEM TO PROTECT CROP YIELD FROM UNEXPECTED RAINFALL" is being submit by **K. KARTHIK SARMA (209Y1A0323), K. PAVAN KUMAR REDDY (209Y1A0324), K. NAVEEN (209Y1A0325), G. LANKESHWAR (209Y1A0318), J. YUVARAJ (209Y1A0322)**, to **K.S.R.M. College of Engineering (AUTONOMOUS)**, Kadapa in partial fulfilment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Dr. S. KHAJA PEER SAHEB, MTech, Ph.D
PROFESSOR

Project Co-Ordinator
Sri. P. SIVASESHU, M.Tech(Ph.D)
Assistant Professor

Head of the Department
Dr. D. RAVIKANTHI, MTech & PhD
Professor & HOD,
Dept. of MECH,
K.S.R.M.C.E
Kadapa.

Internal Examiner

25/04/2024
External

Date: 25/04/24
Examiner

K.S.R.M COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Approved by AITCE, New Delhi & Affiliated to JNTU ANATAPUR)

(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA-516003(AP) 2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled "A 360 DEGREE WHEEL ROTATION" is being submit by **M.RANJITH KUMAR(209Y1A0333) M.MASOOD KHAN(209Y1A0336) P. GANESHWAR REDDY(209Y1A0342) P.SHOAIB KHAN(209Y1A0344) S. MASOOD AHAMED(209Y1A0353)** In K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project guide: *B. Lak*

Sri B.LAKSHUMAIHAH M.TECH

Assistant professor

DEPARTMENT OF ME.

Head of the Department

DR. D. RAVIKANT, MTECH Ph.D.,

Professor &HOD,

DEPARTMENT OF ME.

Date: *25/4/2024*

Internal Examiner

External Examiner

(An ISO 14001:2015 Certified Institution)

K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi) (Approved by AICTE, New Delhi
& Affiliated to JNTUA, Ananthapuramu) KADAPA - 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled "POWER GENERATION THROUGH GYM EQUIPMENT (GYM CYCLE)" is being submit by M. KRUPAKAR RAJU (209Y1A0337), M. SAI DEEKSHITH (209Y1A0334), K. UDAY KUMAR (209Y1A0328), G. MADHAN MOHAN (209Y1A0316), R. VALEEDH (209Y1A0350), M. PRAKASH (209Y1A0332) to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfillment of the requirements for theawardof degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is abonafide record of the project work carried out by them under our supervision during the period 2023-2024.

[Signature] 24/04/24
Project Guide

SRI U. PRADEEP KUMAR, MTech
ASSISTANT PROFESSOR

Project Co-Ordinator:

Dr. P. SIVA SESHU,

Assistant Professor

[Signature]
Head of the Department

Dr. D. RAVI KANTH, MTech & PhD

Professor & HOD,

Dept. of MECH,

K.S.R.M.C.E

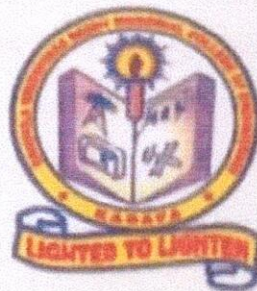
Kadapa.

[Signature]
Internal Examiner

[Signature] 25/04/2024
External Examiner

(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
 (AUTONOMOUS)
 (Accredited by NAAC & NBA, New Delhi)
 (Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
 KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled "SOLAR MULTI AGRI CUTTER" is being submitted by **P.MAHADEVAREDDY(209Y1A0349), P.NARAYANA(209Y1A0348), M.ANILKUMAR REDDY(209Y1A0339) & G.C.GUNA VARDHANREDDY(209Y1A0317)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Dr. S. SHAKEEL AHAMED MTech, Ph.D.
 Associate Professor

Project Co-ordinator
SRLP.SIVA SESHU, MTech
 Assistant Professor

Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
 Professor & HOD

Date: 25-04-2024

Internal Examiner

External Examiner

A8

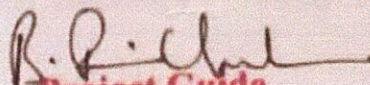
(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)
(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled "FABRICATION OF LOW POWERED ELECTRIC SCOOTER USING SKATE BOARD" is being submitted by **S.BHANU PRAKASH** (209Y1A0351), **K.V.SUNIL KUMAR** (209Y1A0329), **C.DINESH REDDY**(209Y1A0306), **S.MOHAMMED UMAR** (209Y1A03554) **M.NAVEEN KUMAR REDDY** (209Y1A0338) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

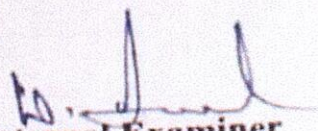

Project Guide

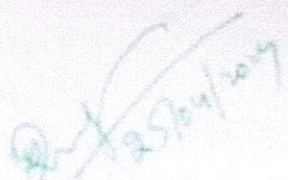
Sri. B. RAVICHANDRA.MTech.
Assistant Professor

Project Co-ordinator
Sri .P.SIVA SESHU. MTech
Assistant Professor


Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & HOD

Date:


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certified that the project report entitled “FABRICATION AND TESTING OF COMPOSITE MATERIALS” is being submitted by **M.GURIVI REDDY(209Y1A0331), M.LOKESHWAR(209Y1A0335),P.INDRASENA REDDY(209Y1A0345)P.OBULA VAMSIDHAR (209Y1A0346)**, to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project Guide

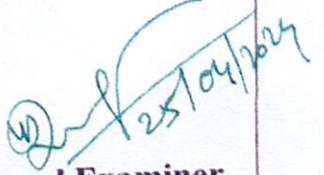
DR.P.BHANU PRAKASH MTech,Ph.D.
Professor

Project Co-ordinator
SRI.P.SIVA SESHU M.tech,(Ph.D)
Assistant Professor


Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & HOD

Date:


Internal Examiner

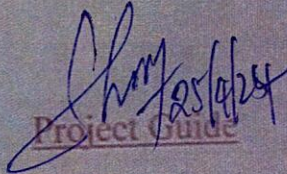

External Examiner

**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

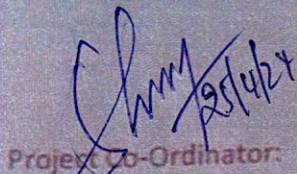
(Accredited by NAAC & NBA, New Delhi) (Approved by AICTE, New Delhi
& Affiliated to JNTUA, Ananthapuramu) KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING**CERTIFICATE**

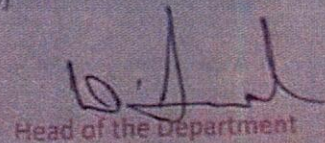
This is the certified that the project report entitled "FABRICATION OF PEDAL OPERATED CAR" is being submit by A.SREEDHAR (199Y1A0301), B.RAMA KRISHNA (209Y1A0303), K.VENKAT PAVAN TANUJ (209Y1A0327), K.PRAVEEN KUMAR RAJU (209Y1A0330), P.RAMI REDDY (209Y1A0343), P.ANIL KUMAR (209Y1A0347) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project Guide

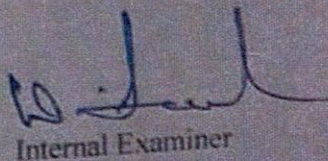
SRI.P.SIVA SESHU, MTech,(Ph.D)
ASSISTANT PROFESSOR

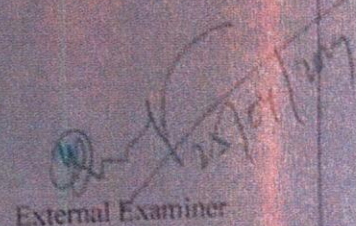

Project Co-Ordinator:

SRI. P. SIVA SESHU , MTECH(Ph.D)
ASSISTANT PROFESSOR


Head of the Department

Dr. D. RAVI KANTH, MTech & PhD
PROFESSOR & HOD.


Internal Examiner


External Examiner

Date: 25-9-24

81

K. S. R. M. COLLEGE OF ENGINEERING

(UGC-AUTONOMOUS),

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu

(Accredited by NAAC of UGC)

(An ISO 14001:2004 & 9001:2015 Certified Institution) KADAPA

- 516 003

2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING

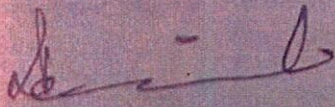


CERTIFICATE

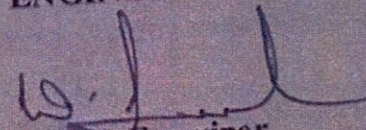
This is to certify that the project report entitled "3D Modelling And Structural Analysis Of Helicopter Rotor Blade" is a bonafide project work submitted by

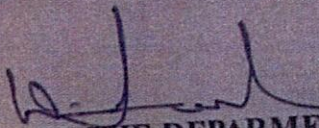
- | | |
|-----------------------------|--------------|
| 1. V. AKHIL KUMAR | (209Y1A0364) |
| 2.S. WASEEM | (209Y1A0361) |
| 3. V. VENKATASIVASAIBHAVANI | (209Y1A0362) |
| 4. S. MADHAVA | (209Y1A0358) |

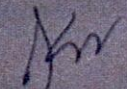
For partial fulfillment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING" of the K. S. R. M. COLLEGE OF ENGINEERING (AUTONOMOUS) under my supervision and guidance During the academic year 2023-2024.


PROJECT GUIDE
Sri. D. Merwin Rajesh M.Tech.,
Assistant Professor
DEPARTMENT OF MECHANICAL ENGINEERING
K.S.R.M. COLLEGE OF ENGINEERING
Kadapa

Date:


Internal Examiner


HEAD OF THE DEPARTMENT
Dr. D. Ravikanth, Ph.D.
Professor & HOD
DEPARTMENT OF MECHANICAL ENGINEERING
K.S.R.M. COLLEGE OF ENGINEERING
Kadapa


External Examiner

✓ B2

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**


(Approved by AICTE, New Delhi & Affiliated to JNTUA,
Ananthapuramu) (Accredited by NAAC, New Delhi)
(An ISO 9001:2018, 14001:2004
Certified Institution) KADAPA – 516003
(A.P.)


DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

This is to certified that the project report entitled “**EXPERIMENTAL STUDY ON THERMOELECTRIC REFRIGERATION BY USING PELTIER MODULE**” is being submitted by **S.A.MD.JUBAIR (219Y5A0333), P.DINESH KUMAR (219Y5A0330), M.YELLA REDDY (219Y5A0323), M.GOVARDHAN (219Y5A0319), P.SAI KRISHNA (219Y5A0328)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


PROJECT GUIDE:
Sri. G.VENKATA SUBBIAH, M.Tech.(Ph.D),
Assistant Professor,
Dept. of ME


HEAD OF DEPARTMENT:
Dr. D.RAVIKANTH, M Tech, Ph.D.
Professor & HOD
Dept. of ME

Date: 27-04-2024


Internal Examiner


External Examiner

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)
 (Accredited by NAAC & NBA, New Delhi)
 (Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
 KADAPA – 516 005 (A.P)
 2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “**HEAT TRANSFER ANALYSIS OF MICRO FIN TUBE WITH FIN MATERIALS OF DIFFERENT SIZES AND REFRIGERANTS**” is being submitted by **M.YERAKONDAPPA - (219Y5A0317), M.KRISHNA VAMSI - (219Y5A0322), S.ANSAR BASHA- (219Y5A0334), S.SANDEEP KUMAR - (219Y5A0338), V.SRIHARI - (219Y5A0340)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” IN “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

P. Sreenivas

PROJECT GUIDE:

Dr. P.SREENIVAS, M.Tech, Ph.D.
 ASSOCIATE PROFESSOR,
 DEPARTMENT OF ME,
 KSRM COLLEGE OF ENGINEERING .

HEAD OF THE DEPARTMENT:

D. Ravikanth
Dr. D.RAVIKANTH, M.Tech, Ph.D.
 PROFESSOR & HOD,
 DEPARTMENT OF ME,
 KSRM COLLEGE OF ENGINEERING.

Date: *27/04/2024*

D. Ravikanth
 Internal Examiner

KSV
 External Examiner

K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA,
Ananthapuramu)

(Accredited by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004 Certified Institution)


KADAPA – 516003(A.P.)


DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE


This is to certified that the project report entitled “**FABRICATION OF VERTICAL AXIS WIND TURBINE** ” is being submitted by **N.SIVA KESAVA (219Y5A0324), K.BHAGEERATHA SHANKAR (219Y5A0315), V.BHARATH NARAYANA REDDY (219Y5A0341), P.ARUN KUMAR REDDY(219Y5A0327)** ,to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


PROJECT GUIDE:
Smt.E.REDDY GOWTHAMI, M.Tech.,
Assistant Professor,
Dept. of ME


HEAD OF DEPARTMENT:
Dr. D.RAVIKANTH, M Tech, Ph.D.
Professor & HOD
Dept. of ME

Date: 27/06/2024


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)

85

**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “**FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM**” is being submit **S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331)** to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor

Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date : 27/04/2024

Internal Examiner

External Examiner

K.S.R.M. COLLEGE OF ENGINEERING, KADAPA
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

Accredited by NAAC of UGC

An ISO 9001:2015 Certified Institution

KADAPA – 516003(A.P)

2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to be certified that the project report entitled "FIRE FIGHTING ROBOT" is being submitted by B. Pavan Kumar (219Y5A0307), G. Mukesh sai (219Y5A0311) K.Jaya Surya (219Y5A0314), B. Hari Krishna (219Y5A0305), M. Pavan Kumar (219Y5A0318) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023- 2024.

Project Guide:

Sri S
Sri. S. SIVA KRISHNA REDDY, M.Tech
Assistant Professor.
Dept. of Mechanical Engg.

Head of the Department:

D. Ravikanth
Dr. D. RAVIKANTH, M.Tech., Ph.D.
Professor and HOD,
Dept. of Mechanical Engg

Date: *27-04-2024*

D. Ravikanth
D. Ravikanth

K.V.
Signature of the Expert:

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NBA of AICTE, Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2023-2024


DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Major project report entitled “**DESIGN AND ANALYSIS OF A HYBRID DRONE WITH MULTIMODAL MOBILITY CAPABILITIES**”, is being submitted by **R.PRAVEEN KUMAR REDDY (219Y5A0332), D.SATHISH (219Y5A0308), K.PRAKASH RAJ (219Y5A0313), M. ANANDARAJU (219Y5A0321)**, in **K.S.R.M. College of Engineering (AUTONOMOUS)**, Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a Bonafide record of the Major project work carried out by them under our supervision during the period 2023-2024.

Project Guide:


Sri A. HARIKRISHNA, M.Tech.,(Ph.D)
Assistant Professor,
DEPARTMENT OF ME.


INTERNAL EXAMINER

Head of the Department:


Dr. D. RAVIKANTH, M.Tech.,Ph.D.,
Professor & HOD,
DEPARTMENT OF ME.


EXTERNAL EXAMINER

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC & NBA, New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA – 516003 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF MOTORIZED QUICK LIFTING JACK WITH BEVEL GEAR ARRANGEMENT" is being submitted by Shaik Ghouse Basha (219Y5A0336) ,A.Pavan Kumar (219Y5A0301) ,V.Adi Keshava Reddy (209Y1A0365) ,M.Kiran (219Y5A0320) ,S.Sadiq Ali (209Y1A0357) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING "is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project guide:

SRI K. PULLAIAH ,M.Tech(Ph.D)..

Assistant Professor,

Dept. Of Mechanical Engineering
K.S.R.M College of Engineering ,Kadapa

Date : 27-04-2024

[Signature]
Internal Examiner

Head of the Department:

Dr.D.RAVIKANTH, M.Tech. Ph.D.

Professor & HOD,

Dept. Of Mechanical Engineering
K.S.R.M College of Engineering ,Kadapa

[Signature]
External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC & NBA , New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA – 516003 (A.P.)
2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that project report entitled "MISFIRE DETECTION IN SI ENGINES USING DEEP LEARNING ALGORITHM" is being submitted by S.Shahid Hussain (219Y5A0339) , S. Moula (209Y1A0355), S.Rasool(209Y1A0356), S.Sohail(209Y1A0360), Y.Mahesh(209Y1A0366) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING "is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide:

K. Suresh Kumar
Sri K Suresh Kumar M.Tech
Associate Professor,
Dept. of Mechanical Engineering
K.S.R.M College of Engineering, Kadapa

Head of the Department:

D. Ravi Kanth
Dr. D.RAVI KANTH, M.Tech. Ph.D.
Professor & HOD,
Dept. of Mechanical Engineering
K.S.R.M College of Engineering, Kadapa

Date: 27-04-2024

[Signature]
Internal Examiner

[Signature]
External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING, KADAPA
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuram)

Accredited by NAAC of UGC

An ISO 9001:2015 Certified Institution

KADAPA – 516003(A.P)

2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to be certified that the project report entitled “DESIGN AND ANALYSIS OF KNEE JOINT” is being submitted by B.Gandhi(219Y5A0306), V.NagaGokul(209Y1A0363),B.Karthik(219Y5A0302),P.Ajay(219Y5A0329),D.Venkateshwarulu(219Y5A0310) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING” is a bonafide record of the community service project work carried out by them under our supervision during the period 2022- 2023.

Project Guide:

S. Vijay Kumar

Sri. S. VIJAY KUMAR , M.Tech

Assistant Professor.

Dept. of Mechanical Engg.

Date:

S. Vijay Kumar
Intend

Head of the Department

D. Ravikanth

Dr. D. RAVIKANTH, M.Tech.,Ph.D

Professor and HOD,

Dept. of Mechanical Engg

K. Venkateshwarulu

Signature of the Expert:

K. Venkateshwarulu
External

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

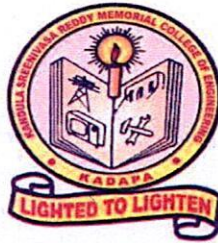
(Accredited by NBA of AICTE, Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2023-2024

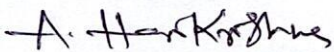
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Major project report entitled “DESIGN AND ANALYSIS OF A HYBRID DRONE WITH MULTIMODAL MOBILITY CAPABILITIES”, is being submitted by D.SATHISH (219Y5A0308), K.PRAKASH RAJ (219Y5A0313), M. ANANDARAJU (219Y5A0321), R.PRAVEEN KUMAR REDDY (219Y5A0332), in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a Bonafide record of the Major project work carried out by them under our supervision during the period 2023-2024.

Project Guide:



Sri A. HARIKRISHNA, M.Tech,(Ph.D)

Assistant Professor,
DEPARTMENT OF ME.


INTERNAL EXAMINER

Head of the Department:



Dr. D. RAVIKANTH, M.Tech.,Ph.D.,

Professor & HOD,
DEPARTMENT OF ME.


EXTERNAL EXAMINER

(An ISO 14001:2015 Certified Institution)

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “**FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM**” is being submit **S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331)** to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor

Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date : 22/04/24

Internal Examiner

External Examiner

(An ISO 14001:2015 Certified Institution)

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “**FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM**” is being submit **S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331)** to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor

Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date : 29/04/2024

Internal Examiner

External Examiner

(An ISO 14001:2015 Certified Institution)

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “**FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM**” is being submit **S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331)** to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

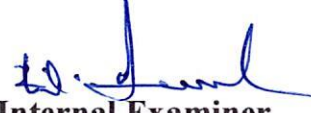
Project Guide


Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor


Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date: **29/04/2024**


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “**FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM**” is being submit **S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331)** to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor

Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date :

Internal Examiner

External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

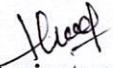
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC & NBA, New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA – 516003 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “FABRICATION OF MOTORIZED QUICK LIFTING JACK WITH BEVEL GEAR ARRANGEMENT” is being submitted by Shaik Ghouse Basha (219Y5A0336) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project guide:

SRI K. PULLAIAH ,M.Tech(Ph.D).,

Assistant Professor,

Dept. Of Mechanical Engineering
K.S.R.M College of Engineering ,Kadapa


Head of the Department:

Dr.D.RAVIKANTH, M.Tech. Ph.D.

Professor & HOD,

Dept. Of Mechanical Engineering
K.S.R.M College of Engineering ,Kadapa

Date : 27-09-2024


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA,
Ananthapuramu)

(Accredited by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004 Certified Institution)


KADAPA – 516003(A.P.)


DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE


This is to certified that the project report entitled “**FABRICATION OF VERTICAL AXIS WIND TURBINE** ” is being submitted by **N.SIVA KESAVA (219Y5A0324), K.BHAGEERATHA SHANKAR (219Y5A0315), V.BHARATH NARAYANA REDDY (219Y5A0341), P.ARUN KUMAR REDDY(219Y5A0327)** ,to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


PROJECT GUIDE:
Smt.E.REDDY GOWTHAMI, M.Tech.,
Assistant Professor,
Dept. of ME


HEAD OF DEPARTMENT:
Dr. D.RAVIKANTH, M Tech, Ph.D.
Professor & HOD
Dept. of ME

Date: 27/04/2024


Internal Examiner


External Examiner

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)
(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P)
2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “**HEAT TRANSFER ANALYSIS OF MICRO FIN TUBE WITH FIN MATERIALS OF DIFFERENT SIZES AND REFRIGERANTS**” is being submitted by **M.YERAKONDAPPA - (219Y5A0317), M.KRISHNA VAMSI - (219Y5A0322),S.ANSAR BASHA- (219Y5A0334),S.SANDEEP KUMAR - (219Y5A0338), V.SRIHARI - (219Y5A0340)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” IN “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

P. Sreenivas

PROJECT GUIDE:

Dr. P.SREENIVAS, M.Tech, Ph.D.
ASSOCIATE PROFESSOR,
DEPARTMENT OF ME,
KSRM COLLEGE OF ENGINEERING .

HEAD OF THE DEPARTMENT:

Dr. D.RAVIKANTH, M.Tech, Ph.D.
PROFESSOR & HOD,
DEPARTMENT OF ME,
KSRM COLLEGE OF ENGINEERING.

Date: *29/04/2024*

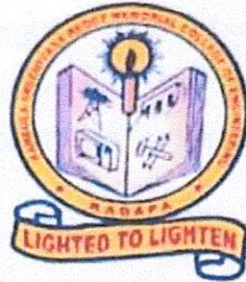
[Signature]
Internal Examiner

[Signature]
External Examiner

(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “**BOILER DRUM LEVEL CONTROL USING PID CONTROLLER**” is being submitted by **E.VIJAYASENA REDDY (209Y1A0314)** to **K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa** in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period **2023-2024**.

Project Guide

Dr. D. RAVIKANTH, M Tech, Ph.D
Professor & Head of the Department,
Dept. of Mechanical Engineering

Head of the Department

Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & Head of the Department,
Dept. of Mechanical Engineering

Date: 25-04-2024

Internal Examiner

External Examiner

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NBA of AICTE, Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2023-2024


DEPARTMENT OF MECHANICAL ENGINEERING

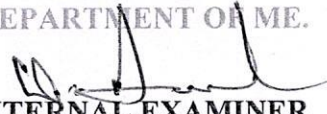


CERTIFICATE

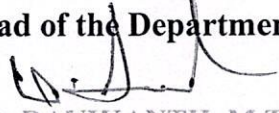
This is to certify that the Major project report entitled “DESIGN AND ANALYSIS OF A HYBRID DRONE WITH MULTIMODAL MOBILITY CAPABILITIES”, is being submitted by **R.PRAVEEN KUMAR REDDY (219Y5A0332), D.SATHISH (219Y5A0308), K.PRAKASH RAJ (219Y5A0313), M. ANANDARAJU (219Y5A0321)**, in **K.S.R.M. College of Engineering (AUTONOMOUS)**, Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a Bonafide record of the Major project work carried out by them under our supervision during the period 2023-2024.

Project Guide:


Sri A. HARIKRISHNA, M.Tech.,(Ph.D)
Assistant Professor,
DEPARTMENT OF ME.


INTERNAL EXAMINER

Head of the Department:


Dr. D. RAVIKANTH, M.Tech.,Ph.D.,
Professor & HOD,
DEPARTMENT OF ME.


EXTERNAL EXAMINER

K.S.R.M COLLEGE OF ENGINEERING

(AUTONOMOUS)

(Approved by AITCE, New Delhi & Affiliated to JNTU ANATAPUR)

(Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA-516003(AP) 2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is certified that the project report entitled "A 360 DEGREE WHEEL ROTATION" is being submitted by **M.RANJITH KUMAR(209Y1A0333) M.MASOOD KHAN(209Y1A0336) P. GANESHWAR REDDY(209Y1A0342) P.SHOAIB KHAN(209Y1A0344) S. MASOOD AHAMED(209Y1A0353)** in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project guide:

Sri B.LAKSHUMAIAH M.TECH

Assistant professor

DEPARTMENT OF ME.

Head of the Department

DR. D. RAVIKANT, MTECH Ph.D.,

Professor &HOD,

DEPARTMENT OF ME.

Date: 25/4/2024

Internal Examiner

External Examiner

Kadapa(A), KSRM

(An ISO 14001:2015 Certified Institution)

**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi) (Approved by AICTE, New Delhi
& Affiliated to JNTUA, Ananthapuramu) KADAPA - 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled "POWER GENERATION THROUGH GYM EQUIPMENT (GYM CYCLE)" is being submit by M. KRUPAKAR RAJU (209Y1A0337), M. SAI DEEKSHITH (209Y1A0334), K. UDAY KUMAR (209Y1A0328), G. MADHAN MOHAN (209Y1A0316), R. VALEEDHI (209Y1A0350), M. PRAKASH (209Y1A0332) to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfillment of the requirements for theawardof degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Sri U. Pradeep Kumar 24/04/24
Project Guide

SRI U. PRADEEP KUMAR, MTech
ASSISTANT PROFESSOR

Project Co-Ordinator:

Dr. P. SIVA SESHU,
Assistant Professor

Dr. D. Ravi Kanth
Head of the Department

Dr. D. RAVI KANTH, MTech & PhD

Professor & HOD,

Dept. of MECH,

K.S.R.M.C.E

Kadapa.

Internal Examiner
Internal Examiner

External Examiner
External Examiner

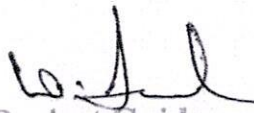
(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)
(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



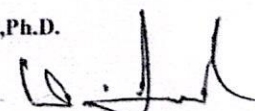
CERTIFICATE

This is to certified that the project report entitled “FABRICATION AND TESTING OF COMPOSITE MATERIALS” is being submitted by M.GURIVI REDDY(209Y1A0331), M.LOKESHWAR(209Y1A0335),P.INDRASENA REDDY(209Y1A0345)P.OBULA VAMSIDHAR (209Y1A0346), to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project Guide

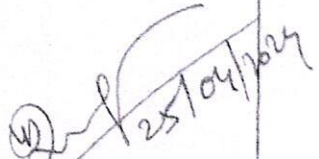
DR.P.BHANU PRAKASH MTech,Ph.D.
Professor

Project Co-ordinator
SRI.P.SIVA SESHU M.tech,(Ph.D)
Assistant Professor


Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & HOD

Date:


Internal Examiner


External Examiner

K.S.R.M COLLEGE OF ENGINEERING

(AUTONOMOUS)


Approved by A.I.C.T.E, New Delhi, Affiliated to JNTUA, Ananthapuramu
Accredited by NAAC, New Delhi An ISO 14001:2004 & 9001:2015 certified Institution
Kadapa - 516003 (A.P)

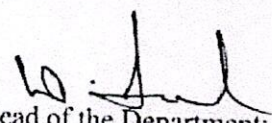
DEPARTMENT OF MECHANICAL ENGINEERING



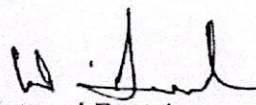
CERTIFICATE

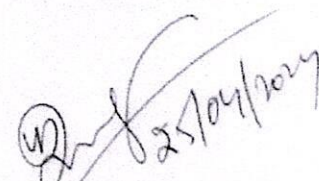
This is to certify that the project report entitled (Testing of Mechanical Properties on Composite Materials), is being submitted by A. Thulasi Deepa - (209Y1A0301), B. Bharath - (209Y1A0304), B. Dinesh Kumar - (209Y1A0305), C. Vandana Evangeline - (209Y1A0310) to K.S.R.M College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirement for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the PROJECT under our supervision during the period 2023-2024.


Project Guide:
DR. D. Ravi Kanth, MTech, Ph.D.
Professor & Head of the Department,
Dept. of Mechanical Engineering.


Head of the Department:
DR. D. Ravi Kanth, MTech, Ph.D.
Professor & Head of the Department,
Dept. of Mechanical Engineering.

Date: 25-04-2024


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “BOILER DRUM LEVEL CONTROL USING PID CONTROLLER” is being submitted by E.VIJAYASENA REDDY (209Y1A0314) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide
Dr. D. RAVIKANTH, M Tech, Ph.D
Professor & Head of the Department,
Dept. of Mechanical Engineering

Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & Head of the Department,
Dept. of Mechanical Engineering

Date: 25-04-2024

Internal Examiner

External Examiner

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi) (Approved by AICTE, New Delhi
& Affiliated to JNTUA, Ananthapuramu) KADAPA - 516 005 (AP)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled "DESIGNING A SYSTEM TO PROTECT CROP YIELD FROM UNEXPECTED RAINFALL" is being submit by K. KARTHIK SARMA (209Y1A0323), K. PAVAN KUMAR REDDY (209Y1A0324), K. NAVEEN (209Y1A0325), G. LANKESHWAR (209Y1A0318), J. YUVARAJ (209Y1A0322), to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Dr. S. KHAJA PEER SAHEB, MTech, Ph.D
PROFESSOR

Project Co-Ordinator
Sri. P. SIVASESHU, M Tech(Ph.D)
Assistant Professor

Head of the Department
Dr. D. RAVIKANTH, MTech & PhD
Professor & HOD,
Dept. of MECH,
K.S.R.M.C.E
Kadapa.

Internal Examiner

External

Date: 25/04/24
Examiner

**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

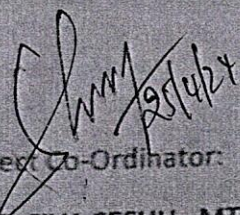
(Accredited by NAAC & NBA, New Delhi) (Approved by AICTE, New Delhi
& Affiliated to JNTUA, Ananthapuramu) KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING**CERTIFICATE**

This is the certified that the project report entitled "FABRICATION OF PEDAL OPERATED CAR" is being submit by A.SREEDHAR (199Y1A0301), B.RAMA KRISHNA (209Y1A0303), K.VENKAT PAVAN TANUJ (209Y1A0327), K.PRAVEEN KUMAR RAJU (209Y1A0330), P.RAMI REDDY (209Y1A0343), P.ANIL KUMAR (209Y1A0347) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project Guide

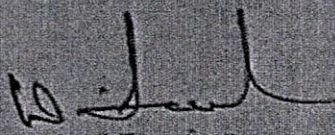
SRI.P.SIVA SESHU, MTech,(Ph.D)
ASSISTANT PROFESSOR


Project Co-Ordinator:

SRI. P. SIVA SESHU , MTECH(Ph.D)
ASSISTANT PROFESSOR


Head of the Department

Dr. D. RAVI KANTH, MTech & PhD
PROFESSOR & HOD.


Internal Examiner
External Examiner

Date: 25-4-24

K. S. R. M. COLLEGE OF ENGINEERING

(UGC-AUTONOMOUS),

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu

(Accredited by NAAC of UGC)

(An ISO 14001:2004 & 9001:2015 Certified Institution) KADAPA

- 516 003

2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "3D Modelling And Structural Analysis Of Helicopter Rotor Blade" is a bonafide project work submitted by

- | | |
|-----------------------------|--------------|
| 1. V. AKHIL KUMAR | (209Y1A0364) |
| 2. S. WASEEM | (209Y1A0361) |
| 3. V. VENKATASIVASAIBHAVANI | (209Y1A0362) |
| 4. S. MADHAVA | (209Y1A0358) |

For partial fulfillment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING" of the K. S. R. M. COLLEGE OF ENGINEERING (AUTONOMOUS) under my supervision and guidance During the academic year 2023-2024.

PROJECT GUIDE

Sri. D. Merwin Rajesh M.Tech.,

Assistant Professor

DEPARTMENT OF MECHANICAL ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING

Kadapa

Date:

Internal Examiner

HEAD OF THE DEPARTMENT

Dr. D. Ravikanth, Ph.D.

Professor & HOD

DEPARTMENT OF MECHANICAL ENGINEERING

K.S.R.M. COLLEGE OF ENGINEERING

Kadapa

External Examiner

K.S.R.M. COLLEGE OF ENGINEERING

(AUTONOMOUS)

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

(Accredited by NBA of AICTE, Accredited by NAAC of UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA – 516003 (A.P)

2023-2024

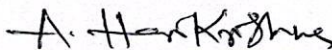
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Major project report entitled “DESIGN AND ANALYSIS OF A HYBRID DRONE WITH MULTIMODAL MOBILITY CAPABILITIES”, is being submitted by **D.SATHISH (219Y5A0308), K.PRAKASH RAJ (219Y5A0313), M. ANANDARAJU (219Y5A0321), R.PRAVEEN KUMAR REDDY (219Y5A0332)**, in **K.S.R.M. College of Engineering (AUTONOMOUS)**, Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a Bonafide record of the Major project work carried out by them under our supervision during the period 2023-2024.

Project Guide:

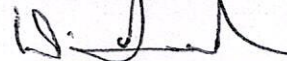


Sri A. HARIKRISHNA, M.Tech,(Ph.D)

Assistant Professor,
DEPARTMENT OF ME.


INTERNAL EXAMINER

Head of the Department:



Dr. D. RAVIKANTH, M.Tech.,Ph.D.,

Professor & HOD,
DEPARTMENT OF ME.


EXTERNAL EXAMINER

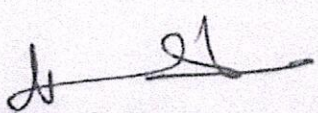
(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)
(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING

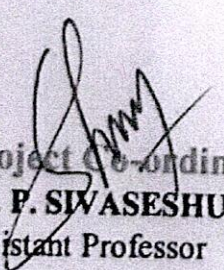


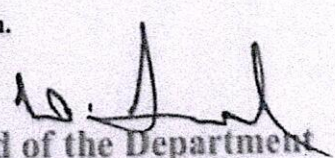
CERTIFICATE

This is to certified that the project report entitled "FABRICATION OF SOLAR CHARGED ELECTRIC SCOOTER" is being submitted by E.GIRIDHAR KUMAR (209Y1A0315) C.YASWANTH KUMAR (209Y1A0308), D.SIDDIQ (209Y1A0311), D.VAMSIDHAR REDDY (209Y1A0312), G.YUGANDHAR CHOWDARY (209Y1A0320) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project Guide

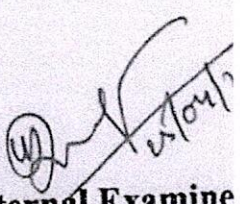
Sri. B. SRIHARI MTech.
Assistant Professor


Project Co-ordinator
Sri. P. SIVASESHU, M Tech
Assistant Professor


Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & HOD

Date: 25/04/24


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA - 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



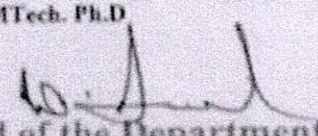
CERTIFICATE

This is to certified that the project report entitled "SOLAR MULTI AGRI CUTTER" is being submitted by P.MAHADIVAREDDY (209Y1A0349) P.NARAYANAI (209Y1A0348) M.ANILKUMAR REDDY (209Y1A0339) G.C.GUNA VARDHANREDDY (209Y1A0317) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

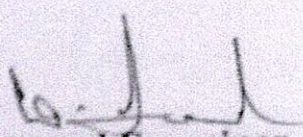

Project Guide

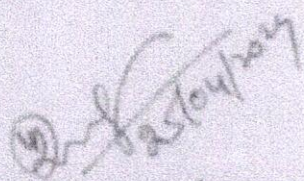
Dr. S. SHAKEEL AHAMED MTech, Ph.D.
Associate Professor

Project Co-ordinator
SRLP.SIVA SESHU, MTech
Assistant Professor


Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & HOD

Date: 25-04-2024


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)
K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)

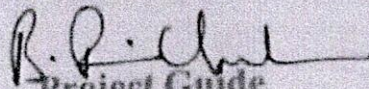
(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



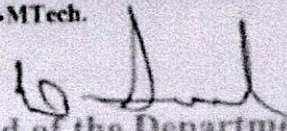
CERTIFICATE

This is to certified that the project report entitled "FABRICATION OF LOW POWERED ELECTRIC SCOOTER USING SKATE BOARD" is being submitted by S.BHANU PRAKASH (209Y1A0351), K.V.SUNIL KUMAR (209Y1A0329), C.DINESH REDDY(209Y1A0306), S.MOHAMMED UMAR (209Y1A03554) ,M.NAVEEN KUMAR REDDY (209Y1A0338) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

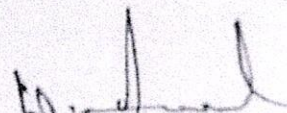

Project Guide

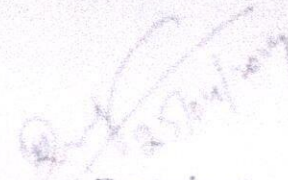
Sri. B. RAVICHANDRA.MTech.
Assistant Professor

Project Co-ordinator
Sri .P.SIVA SESHU. MTech
Assistant Professor


Head of the Department
Dr. D. RAVIKANTH, M Tech, Ph.D.
Professor & HOD

Date:


Internal Examiner


External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)**

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

(Accredited by NAAC & NBA UGC)

(An ISO 9001:2015 Certified Institution)

KADAPA - 516001 (A.P.)

2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Major project report entitled "FABRICATION OF A SEMI AUTOMATIC PORTABLE DRAIN CLEANER USING CHAIN MECHANISM", is being submitted by CHAKALI SEKHAR (209Y1A0307), CHAVVA SRINIVASULA REDDY (209Y1A0309), DASARIBOYINA SAI KUMAR YADAV (209Y1A0313), KORIVI POLI REDDY (209Y1A0326), YARRAVAGARI MOHANA SREE (209Y1A0367) in K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfillment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a Bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide:

Nr C. NAGARAJA, M. Tech
Assistant Professor,
DEPARTMENT OF ME.

INTERNAL EXAMINER

Head of the Department:

Dr. D. RAVIKANTH, M. Tech, Ph.D.
Professor & HOD,
DEPARTMENT OF ME

EXTERNAL EXAMINER

**K.S.R.M. COLLEGE OF ENGINEERING, KADAPA
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

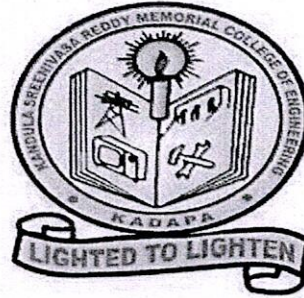
Accredited by NAAC of UGC

An ISO 9001:2015 Certified Institution

KADAPA – 516003(A.P)

2023-2024

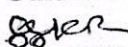
DEPARTMENT OF MECHANICAL ENGINEERING



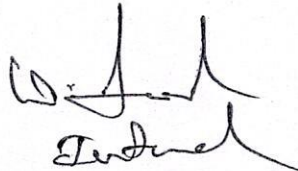
CERTIFICATE

This is to be certified that the project report entitled “FIRE FIGHTING ROBOT ” is being submitted by B. Pavan Kumar (219Y5A0307), G. Mukesh sai (219Y5A0311) K.Jaya Surya (219Y5A0314), B. Hari Krishna (219Y5A0305), M. Pavan Kumar (219Y5A0318) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023- 2024.

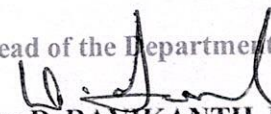
Project Guide:

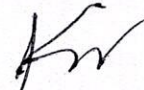

Sri. S. SIVA KRISHNA REDDY, M.Tech
Assistant Professor.
Dept. of Mechanical Engg.

Date: 27-04-2024



Head of the Department:


Dr. D. RAVIKANTH, M.Tech., Ph.D.
Professor and HOD,
Dept. of Mechanical Engg


Signature of the Expert:

**K.S.R.M. COLLEGE OF ENGINEERING, KADAPA
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuram)

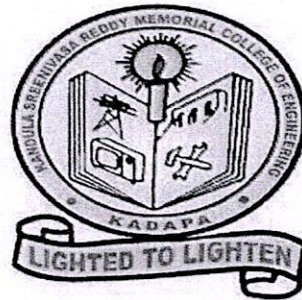
Accredited by NAAC of UGC

An ISO 9001:2015 Certified Institution

KADAPA – 516003(A.P)

2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to be certified that the project report entitled “DESIGN AND ANALYSIS OF KNEE JOINT” is being submitted by B.Gandhi(219Y5A0306), V.NagaGokul(209Y1A0363),B.Karthik(219Y5A0302),P.Ajay(219Y5A0329),D.Venkateshwarulu(219Y5A0310) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING” is a bonafide record of the community service project work carried out by them under our supervision during the period 2022- 2023.

Project Guide:

S. Vijay Kumar

Sri. S. VIJAY KUMAR, M.Tech
Assistant Professor.

Dept. of Mechanical Engg.

Date:

S. Vijay Kumar
Instead

Head of the Department

D. Ravikanth

Dr. D. RAVIKANTH, M.Tech., Ph.D
Professor and HOD,

Dept. of Mechanical Engg

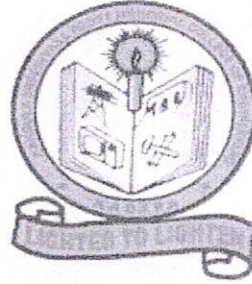
K. R.

Signature of the Expert:

K. R.
External

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)
(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P)
2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “HEAT TRANSFER ANALYSIS OF MICRO FIN TUBE WITH FIN MATERIALS OF DIFFERENT SIZES AND REFRIGERANTS ” is being submitted by **M.YERAKONDAPPA - (219Y5A0317), M.KRISHNA VAMSI - (219Y5A0322),S.ANSAR BASHA- (219Y5A0334),S.SANDEEP KUMAR - (219Y5A0338), V.SRIHARI - (219Y5A0340)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” IN “MECHANICAL ENGINEERING ” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

P. Sreenivas

PROJECT GUIDE:

Dr. P.SREENIVAS, M.Tech, Ph.D.
ASSOCIATE PROFESSOR,
DEPARTMENT OF ME,
KSRM COLLEGE OF ENGINEERING .

HEAD OF THE DEPARTMENT:

D. Ravikanth
Dr. D.RAVIKANTH, M.Tech, Ph.D.
PROFESSOR & HOD,
DEPARTMENT OF ME,
KSRM COLLEGE OF ENGINEERING.

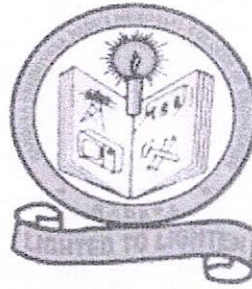
Date: *27/04/2024*

D. Ravikanth
Internal Examiner

KSR
External Examiner

K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)
(Accredited by NAAC & NBA, New Delhi)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
KADAPA – 516 005 (A.P)
2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “HEAT TRANSFER ANALYSIS OF MICRO FIN TUBE WITH FIN MATERIALS OF DIFFERENT SIZES AND REFRIGERANTS ” is being submitted by **M.YERAKONDAPPA - (219Y5A0317), M.KRISHNA VAMSI - (219Y5A0322),S.ANSAR BASHA- (219Y5A0334),S.SANDEEP KUMAR - (219Y5A0338), V.SRIHARI - (219Y5A0340)** to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” IN “MECHANICAL ENGINEERING ” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

P. Sreenivas

PROJECT GUIDE:

Dr. P.SREENIVAS, M.Tech, Ph.D.
ASSOCIATE PROFESSOR,
DEPARTMENT OF ME,
KSRM COLLEGE OF ENGINEERING .

HEAD OF THE DEPARTMENT:

D. Ravikanth
Dr. D.RAVIKANTH, M.Tech, Ph.D.
PROFESSOR & HOD,
DEPARTMENT OF ME,
KSRM COLLEGE OF ENGINEERING.

Date: *29/04/2024*

D. Ravikanth
Internal Examiner

K. Srinivas
External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC & NBA , New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA - 516003 (A.P.)
2023-2024

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that project report entitled "MISFIRE DETECTION IN SI ENGINES USING DEEP LEARNING ALGORITHM" is being submitted by S.Shahid Hussain (219Y5A0339) , S. Moula (209Y1A0355), S.Rasool(209Y1A0356), S.Sohail(209Y1A0360), Y.Mahesh(209Y1A0366) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide:

K. Suresh Kumar
Sri K Suresh Kumar M.Tech
Associate Professor,
Dept. of Mechanical Engineering
K.S.R.M College of Engineering, Kadapa

Head of the Department:

D. Ravi Kanth
Dr. D.RAVI KANTH, M.Tech. Ph.D.
Professor & HOD,
Dept. of Mechanical Engineering
K.S.R.M College of Engineering, Kadapa

Date: 27-04-2024

[Signature]
Internal Examiner

[Signature]
External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

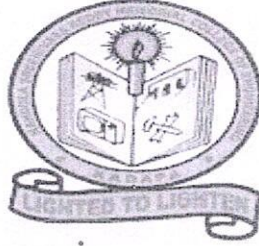
(Approved by AICTE, New Delhi & Affiliated to JNTUA,
Ananthapuramu)

(Accredited by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004 Certified Institution)

KADAPA – 516003(A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “**FABRICATION OF VERTICAL AXIS WIND TURBINE** ” is being submitted by N.SIVA KESAVA (219Y5A0324), K.BHAGEERATHA SHANKAR (219Y5A0315), V.BHARATH NARAYANA REDDY (219Y5A0341), P.ARUN KUMAR REDDY(219Y5A0327) ,to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**MECHANICAL ENGINEERING**” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

E.R. Gowthami
PROJECT GUIDE:

Smt.E.REDDY GOWTHAMI, M.Tech.,
Assistant Professor,
Dept. of ME

Dr. D. Ravikanth
HEAD OF DEPARTMENT:

Dr. D.RAVIKANTH, M Tech, Ph.D.
Professor & HOD
Dept. of ME

Date: 27/06/2024

Dr. D. Ravikanth
Internal Examiner

K. S. R. M.
External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

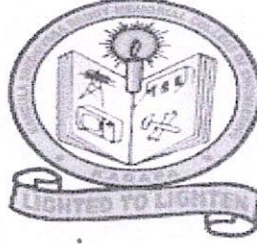
(Approved by AICTE, New Delhi & Affiliated to JNTUA,
Ananthapuramu)

(Accredited by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004 Certified Institution)

KADAPA – 516003(A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “FABRICATION OF VERTICAL AXIS WIND TURBINE ” is being submitted by N.SIVA KESAVA (219Y5A0324), K.BHAGEERATHA SHANKAR (219Y5A0315), V.BHARATH NARAYANA REDDY (219Y5A0341), P.ARUN KUMAR REDDY(219Y5A0327) ,to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

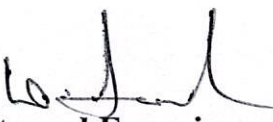

PROJECT GUIDE:


Smt.E.REDDY GOWTHAMI, M.Tech.,
Assistant Professor,
Dept. of ME


HEAD OF DEPARTMENT:

Dr. D.RAVIKANTH, M Tech, Ph.D.
Professor & HOD
Dept. of ME

Date: 27/04/2024

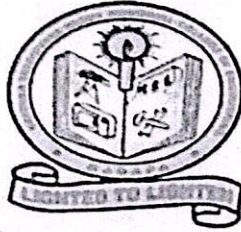

Internal Examiner


External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**


(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC & NBA, New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA – 516003 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF MOTORIZED QUICK LIFTING JACK WITH BEVEL GEAR ARRANGEMENT" is being submitted by Shaik Ghouse Basha (219Y5A0336), A.Pavan Kumar (219Y5A0301), V.Adi Keshava Reddy (209Y1A0365), M.Kiran (219Y5A0320), S.Sadiq Ali (209Y1A0357) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project guide:

SRI K. PULLAIAH, M.Tech(Ph.D).,
Assistant Professor,

Dept. Of Mechanical Engineering
K.S.R.M College of Engineering, Kadapa

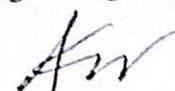
Date: 27-04-2024


Internal Examiner


Head of the Department:

Dr.D.RAVIKANTH, M.Tech. Ph.D.
Professor & HOD,

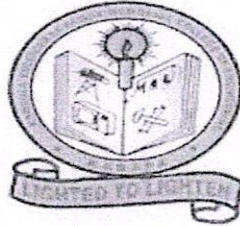
Dept. Of Mechanical Engineering
K.S.R.M College of Engineering, Kadapa


External Examiner

✓

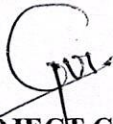
**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA,
Ananthapuramu) (Accredited by NAAC, New Delhi)
(An ISO 9001:2018, 14001:2004
Certified Institution) KADAPA – 516003
(A.P.)
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certified that the project report entitled “EXPERIMENTAL STUDY ON THERMOELECTRIC REFRIGERATION BY USING PELTIER MODULE” is being submitted by S.A.MD.JUBAIR (219Y5A0333), P.DINESH KUMAR (219Y5A0330), M.YELLA REDDY (219Y5A0323), M.GOVARDHAN (219Y5A0319), P.SAI KRISHNA (219Y5A0328) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.



PROJECT GUIDE:

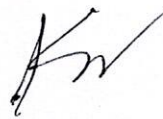
Sri. G.VENKATA SUBBIAH, M.Tech.(Ph.D),
Assistant Professor,
Dept. of ME


HEAD OF DEPARTMENT:

Dr. D.RAVIKANTH, M Tech, Ph.D.
Professor & HOD
Dept. of ME

Date: 27-04-2024

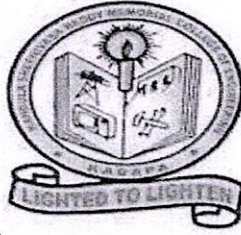

Internal Examiner


External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

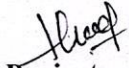
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NAAC & NBA, New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA – 516003 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "FABRICATION OF MOTORIZED QUICK LIFTING JACK WITH BEVEL GEAR ARRANGEMENT" is being submitted by Shaik Ghouse Basha (219Y5A0336) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project guide:

SRI K. PULLAIAH, M.Tech(Ph.D).,
Assistant Professor,
Dept. Of Mechanical Engineering
K.S.R.M College of Engineering ,Kadapa


Head of the Department:

Dr.D.RAVIKANTH, M.Tech. Ph.D.
Professor & HOD,
Dept. Of Mechanical Engineering
K.S.R.M College of Engineering ,Kadapa

Date : 27-04-2024


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)

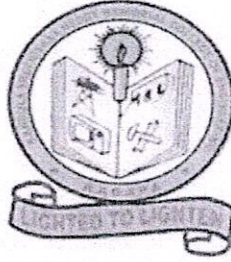
**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM” is being submit S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331) to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.



Project Guide


Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor


Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date : 27/04/2024


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)

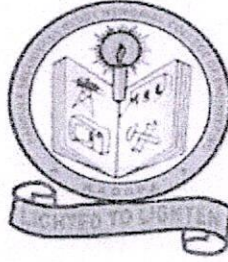
**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM” is being submit S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331) to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor

Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date : 28/04/24

Internal Examiner

External Examiner

(An ISO 14001:2015 Certified Institution)

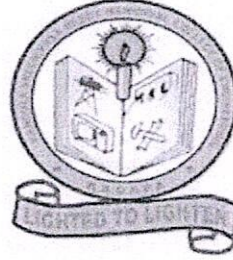
**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled "FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM" is being submit S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331) to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide

Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor

Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date : 29/04/2024

Internal Examiner

External Examiner

(An ISO 14001:2015 Certified Institution)

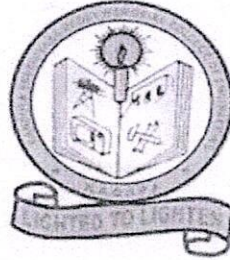
**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled "FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM" is being submit S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331) to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of "BACHELOR OF TECHNOLOGY" in "MECHANICAL ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.


Project Guide

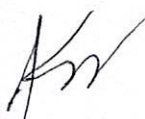
Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor


Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date: 23/04/2024


Internal Examiner


External Examiner

(An ISO 14001:2015 Certified Institution)

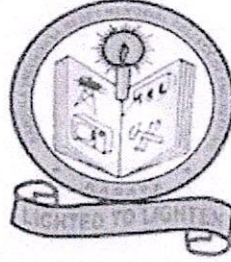
**K.S.R.M COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Accredited by NAAC & NBA, New Delhi)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

KADAPA – 516 005 (A.P.)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is the certified that the project report entitled “FABRICATION AND DEVELOPMENT OF PELTIER BASED SOLAR REFRIGERATION SYSTEM” is being submit S.SREENU, (219Y5A0337), B.KIRAN (219Y50304), G.SRIHARI (219Y5A0312), D.SREEKANTH (219Y5A0309) , P.VENKATESWAR REDDY (219Y5A0331) to K.S.R.M. College of Engineering(AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of degree of “BACHELOR OF TECHNOLOGY” in “MECHANICAL ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2023-2024.

Project Guide


Sri J.SURESH BABU, MTech.(Ph.D)
Assistant Professor

Head of the Department

Dr. D. RAVI KANTH MTech.,Ph.D.,
Professor & HOD

Date :

Internal Examiner


External Examiner