



ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur, Batasingaram Panchayath, Hayath Nagar Mandal, Hyderabad, R.R. Dist. 501 512.

(Approved by AICTE, Recognized by the GOVT. of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "A" Grade, Recognized by UGC Under Section 2(f) and 12(B).

Phone : 08415-201689 (O)
Mobile : 9848924705

Website : aits-hyd.org
E-mail : principalath@gmail.com
Fax : 08415-201688

DEPARTMENT OF MECHANICAL ENGINEERING ROLL LIST (AY 2018-19) PROJECT WORK

S.No	PROJECT TITLE	STUDENT ROLL NUMBER AND NAME
1	INTILLEGENT UNMANNED ARMY TANK (ROBOTICS)	16T85A0319-MAHESHUNI SHIVA PRASAD
		16T85A0309-KUMMARI MADHAVI
		15T81A0312-JEEDINADLA RAVI
2	FABRICATION OF POWER GENERATION USING RAILWAY TRACK(Production of technology PT)	16T85A0308-CH HARIPRAKASH
		16T85A0305-P CHANDRASHEKHAR
		16T85A0315-C ROJA
3	FABRICATION OF BUTTON OPERATED ELETROMAGNETIC GEAR SHIFTING AND SIDESTAND LIFTING FOR TWO WHEELER(Production of technology PT)	16T85A0316-GUNDU SAI PRAKASH
		16T85A0303-N ARUNA
		16T85A0318-BANOTH SHANKAR
4	DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE(Design of Machine members-2 DMM-II)	15T81A0301-MANIR AHMAD KHAN
		14T81A0301-MOHD ABDUL MUQEED
		15T81A0309- MOHD RAFEEQ
5	FABRICATION OF MULTI OPERATING MACHINE (CUTTING, GRINDING AND DRILLING) (MACHINE TOOLS)	15T81A0307-BURRI MURALI
		15T81A0308-DASAROJU POORNA CHARY
		15T81A0313-PADIGAPATI RAVINDAR REDDY
6	INTELLIGENT BRAKING SYSTEM USING OBSTACLE SENSOR(ROBOTICS)	15T81A0316-A VINOD KUMAR
		16T85A0302-M ANVESH
		16T85A0324-B VIKRAM
7	DESIGN AND FABRICATION OF RAILWAY TRACK CRACK DETECTION VEHICLE (Design of Machine members-1 DMM-I)	16T85A0320-TUMULURI SRIKANTH
		16T85A0306-DHILEEP KUMAR REDDY NUKALA
		16T85A0311-DANTHURI NIKHIL KUMAR GOUD
8	FABRICATION OF AUTOMATIC TRACK GUIDED VEHICLE(ROBOTICS)	15T81A0304-T B N V KISHORE
		15T81A0305-MOHD FOUZAN AHMED
		15T81A0302-VUTHIPALLY ANIL KUMAR
9	FABRICATION OF BATTERY OPERATED POWER WEEDER(MACHINE TOOLS)	15T81A0314-GUMMALLA SAI KUMAR
		15T81A0315-DORNALA VIJAY KUMAR
		16T85A0310-VANKUDOTHU NAVEEN
		16T85A0314-KADIYALA RAVI KIRAN
		16T85A0321-GUDLA SRINIVAS

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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

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Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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2(f)&12(b)&Permanent Affiliation to JNTUH)

PIGLIPUR, BATASINGARAM (V), HAYATH NAGAR (M), R.R.DIST,
HYDERABAD

DEPARTMENT OF MECHANICAL ENGINEERING



[Handwritten Signature]

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502

CERTIFICATE

This is to certify that the project report entitled

“FABRICATION OF MULTI OPERATING MACHINE
(CUTTING,GRINDING AND DRILLING)”

being submitted by

BURRI MURALI
DASAROJU POORNA CHARY
PADIGAPATI RAVINDAR REDDY

ROLL NO:15T81A0307
ROLL NO:15T81A0308
ROLL NO:15T81A0313

In a partial fulfillment for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during the academic year **2018-19** under our guidance and supervision.

[Handwritten Signature]
INTERNAL GUIDE

Mr. MD JAVEED
ASST.PROFESSOR
MECHANICAL ENGG.
AITS,HYD

[Handwritten Signature]
HEAD OF THE DEPARTMENT
HOD
Piglipur (V), Batasingaram (Post), R.R. Dist-501 512

Mr. B JEEVAN KUMAR
ASST.PROFESSOR
MECHANICAL ENGG.
AITS,HYD

[Handwritten Signature]
EXTERNAL EXAMINER

[Handwritten Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist-501 502

A
MAJOR PROJECT REPORT
ON
DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY

IN
MECHANICAL ENGINEERING

Submitted by

- | | |
|----------------------|---------------------|
| 1. MANIR AHMAD KHAN | ROLL NO.15T 81A0301 |
| 2. MOHD ABDUL MUQEED | ROLL NO.14T81A0301 |
| 3. MOHD RAFEEQ | ROLL NO.15T81A0309 |

Under of the esteemed guidance of

Mr. M.BHASKAR

Assistant Professor

Dept. of Mechanical Engineering


AITH, Hyderabad.



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
PIGLIPUR, BATA SINGARAM (V) HAYATHNAGAR (M), R.R. DIST, HYDERABAD

2015-2019


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Piglipur (V), Bata Singaram (Post)
Abdulapurmet (M), R.R. Dist. HYD-50* 523

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled
DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE

being submitted by

1. MANIR AHMAD KHAN (ROLLNO:15T81A0301)
2. MOHD ABDUL MUQEED (ROLL NO:14T81A0301)
3. MOHD RAFEEQ (ROLL NO:15T81A0309)

in a partial fulfillment of the requirements for the award of the degree of
BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING, is a record
of bonafide work carried out by them during 1st JAN 2019 to 25TH APRIL under our
guidance and supervision.

HEAD OF DEPARTMENT

B. JEEVAN KUMAR

DEPARTMENT OF MECHANICAL

AIITS-HYDERABAD

GUIDE SIGN

M. BHASKAR

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
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EXTERNAL EXAMINER

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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
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A
MAJOR PROJECT REPORT
ON
"REPLICATION OF BUTTON OPERATED ELECTROMAGNETIC GEAR SHIFTING & SIDE
STAND LIFTING FOR TWO WHEELER"

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Submitted by

GUNDU SAI PRAKASH	16T85A0316
N.ARUNA	16T85A0303
BANOTH SHANKAR	16T85A0318

Under the esteemed guidance of

P. SRINIVASULU

Assistant Professor,

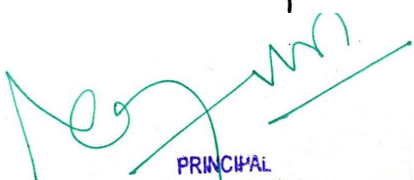
Dept. of Mechanical Engineering,

AITH, Hyderabad.



— **Submitted to**

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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Abdullapurmet (M), R.R. Dist. HYD-501 502

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PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R. DIST, HYDERABAD
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

**"FABRICATION OF BUTTON OPERATED ELECTROMAGNETIC GEAR SHIFTING & SIDE
STAND LIFTING FOR TWO WHEELER"**

Being submitted by

GUNDU SAI PRAKASH

16T85A0316

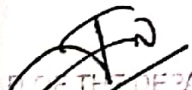
N.ARUNA

16T85A0303

BANOTH SHANKAR

16T85A0318

In a partial fulfillment of the requirements for the award of the degree of **BACHELORE OF
TECHNOLOGY in MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them
during 1st January 2019 to 20th APRIL 2019 under our guidance and supervision.


DEPARTMENT
JEEVAN KUMAR
Assistant Professor, HOD

GUIDE NAME WITH SIGNATURE

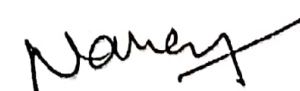
Assistant Professor, HOD

DEPARTMENT OF MECHANICAL

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Abdullapurmet (M), R.R. Dist. HYD-501 512


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Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512


EXTERNAL EXAMINER

II

**A
MAJOR PROJECT REPORT
ON
"FABRICATION OF POWER GENERATION USING
RAILWAY TRACK"**

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted by

**CH.HARIPRAKASH
P.CHANDRASHEKHAR
C.ROJA**

**ROLL.NO: 16T85A0308
ROLL.NO: 16T85A0305
ROLL.NO: 16T85A0315**

Under the esteemed guidance of

Ms. T. SRIKANTHI

Assistant Professor,

Department. of Mechanical Engineering,

AITS, Hyderabad.



Submitted to

**DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND
SCIENCES**

**PIGLIPUR, BATASINGARAM (V), HAYATH NAGAR (M), R.R.DIST,
HYDERABAD**

[Handwritten Signature]

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Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502

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DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

**“FABRICATION OF POWER GENERATION USING
RAILWAY TRACK”**

Being submitted by

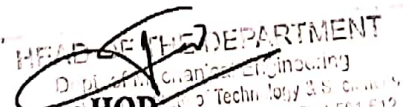
**CH.HARIPRAKASH
P.CHANDRASHEKHAR
C.ROJA**

**ROLL.NO: 16T85A0308
ROLL.NO: 16T85A0305
ROLL.NO: 16T85A0315**

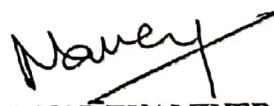
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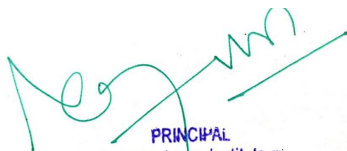

INTERNAL GUIDE


**Ms. T.SRIKANTHI
ASSISTANT.PROFESSOR
MECHANICAL ENGG.
AITS, HYD.**


HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (M), R.R. Dist-501 512
HOD

**Mr. B JEEVAN KUMAR
ASSISTANT.PROFESSOR,
MECHANICAL ENGG.
AITS, HYD.**


EXTERNAL EXAMINER


**PRINCIPAL
Annamacharya Institute of
Technology & Sciences
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A
MAJOR PROJECT REPORT
ON
"INTILLEGENT UNMANNED ARMY TANK"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Submitted by

- | | |
|---------------------------|----------------------|
| 1. MAHESHUNI SHIVA PRASAD | (ROLL NO:16T85A0319) |
| 2. KUMMARI MADHAVI | (ROLL NO:16T85A0309) |
| 3. JEEDIMADLA RAVI | (ROLL NO:15T81A0312) |

Under the esteemed guidance of

Mr. S.SIVA KUMAR

Assistant Professor,

Dept. of Mechanical Engineering,

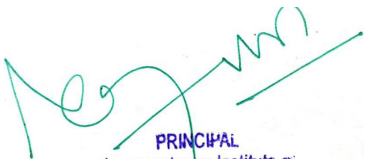
AITH, Hyderabad.



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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2(f)&12(b)&Permanent Affiliation to JNTUH) PIGLIPUR, BATASINGARAM (V),
HAYAT NAGAR (M), R.R.DIST, HYDERABAD


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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502

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PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R.DIST, HYDERABAD

DEPARTMENT OF MECHANICAL ENGINEERING



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in a partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during **1st june 2018 to 7th july 2018** under our guidance and supervision.


HEAD OF THE DEPARTMENT

B. JEEVAN KUMAR

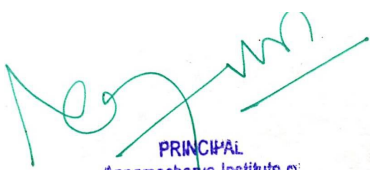
AITS-HYDERABAD


GUIDE NAME

S. SIVA KUMAR


EXTERNAL EXAMINER

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

||

**A
MAJOR PROJECT REPORT
ON
"FABRICATION OF BATTERY OPERATED POWER WEEDER"**

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted by

- | | |
|------------------------|----------------------|
| 1. VANKUDOTHU NAVEEN | (ROLL NO:16T85A0310) |
| 2. KADIYALA RAVI KIRAN | (ROLL NO:16T85A0314) |
| 3. GUDLA SRINTVAS | (ROLL NO:16T85A0321) |

Under the esteemed guidance of

Mr. BHARATH KUMAR

Assistant Professor,

Dept. of Mechanical Engineering,

AITH, Hyderabad.

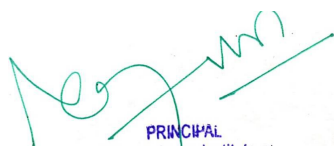


Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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2(f)&12(b)&Permanent Affiliation to JNTUH) PIGLIPUR, BATASINGARAM (V),
HAYAT NAGAR (M), R.R.DIST, HYDERABAD



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pighpur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50* 825

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R.DIST, HYDERABAD

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

“FABRICATON OF BATTERY OPERATED POWER WEEDER”

being submitted by


1. VANKUDOTHU NAVEEN
2. KADIYALA RAVI KIRAN
3. GUDLA SRINIVAS

(ROLL NO: 16T85A0310)

(ROLL NO: 16T85A0314)

(ROLL NO:16T85A0321)

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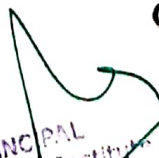

B. JEEVAN KUMAR

HEAD OF DEPARTMENT


MECHANICAL

AIITS-HYDERABAD


GUIDE : BHARAT KUMAR


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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.


EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

||

**MAJOR PROJECT REPORT
ON
"FABRICATION OF AUTOMATIC TRACK GUIDED VEHICLE"**

Submitted in partial fulfillment of the requirement for the award of the degree of

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IN
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Submitted by

- | | |
|--------------------------|----------------------|
| 1. MOHD FOUZAN AHMED | (ROLL NO:15T81A0305) |
| 2. VUTHIPALLY ANIL KUMAR | (ROLL NO:15T81A0302) |
| 3. GUMMALLA SAI KUMAR | (ROLL NO:15T81A0314) |
| 4. DORNALA VIJAY KUMAR | (ROLL NO:15T81A0315) |

Under the esteemed guidance of

Mr. KOTRESH M C

Assistant Professor,

Dept. of Mechanical Engineering,

AITH, Hyderabad.



Submitted to

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Annamacharya Institute of
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Abdullapurmet (M), R.R. Dist. HYD-501 582

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PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R.DIST, HYDERABAD
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled

“FABRICATION OF AUTOMATIC TRACK GUIDED VEHICLE”

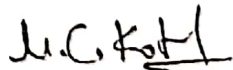
Being submitted by

- | | |
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| 1. MOHD FOUZAN AHMED | (ROLL NO:15T81A0305) |
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B. JEEVAN KUMAR
HEAD OF MECHANICAL DEPARTMENT

GUIDE NAME WITH SIGNATURE

Kotresh.M.C 



HYDERABAD
HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
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A
MAJOR PROJECT REPORT
ON
"DESIGN AND FABRICATION OF RAILWAY TRACK CRACK
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Submitted by

TUMULURI SRIKANTH
T.B.N.V KISHORE
DHILEEP KUMAR REDDY NUKALA
DANTHURI NIKHIL KUMAR GOUD

(ROLL.NO: 16T85A0320)
(ROLL.NO: 15T81A0304)
(ROLL.NO: 16T85A0306)
(ROLL.NO: 16T85A0311)

Under the esteemed guidance of

MR.B.PRAKASH

Assistant Professor,

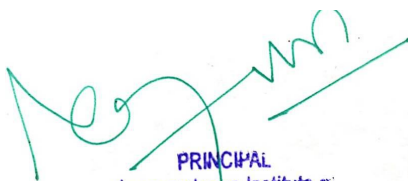
Department of Mechanical Engineering,

AITS, Hyderabad.



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
PIGLIPUR, BATASINGARAM (V), HAYATH NAGAR (M), R.R.DIST, HYDERABAD



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SCIENCES
PIGLIPUR, BATASINGARAM (V), HAYAT NAGAR (M), R.R.DIST, HYDERABAD

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project report entitled
"DESIGN AND FABRICATION OF RAILWAY TRACK CRACK
DETECTION VEHICLE"

being submitted by

TUMULURI SRIKANTH	(ROLL.NO: 16T85A0320)
T.B.N.V KISHORE	(ROLL.NO: 15T81A0304)
DHILEEP KUMAR REDDY NUKALA	(ROLL.NO: 16T85A0306)
DANTHURI NIKHIL KUMAR GOUD	(ROLL.NO: 16T85A0311)

in a partial fulfillment of the requirements for the award of the degree of the BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING, JNTUH is a record of bonafide work carried out during the academic year 2018-19 under our guidance and supervision

9
PROJECT GUIDE

Mr.B.PRAKASH

ASST.PROF.

MECHANICAL ENGG.

AITS, HYD.


HEAD OF THE DEPARTMENT
HOD

Mr.B. JEEVAN KUMAR

ASST.PROF.

MECHANICAL ENGG.

AITS, HYD.


EXTERNAL EXAMINER


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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R.Dist.HYD-501 511


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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 511

A
Major Project Report
On
"INTELLIGENT BRAKING SYSTEM USING OBSTACLE SENSOR"

Submitted in partial fulfillment of the requirement
For the award of the BACHELOR DEGREE

In
MECHANICAL ENGINEERING

Submitted by

A.VINOD KUMAR -15T81A0316

M.ANVESH-16T85A0302

B.VIKRAM-16T85A0324

Under the esteemed guidance of

Mr.B.JEEVAN KUMAR,

Assistant Professor,

Dept of Mechanical Engineering,

AITS, Hyderabad.



Submitted to

Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Piglipur, Batasingaram (v), Hayathnagar (M), R.R.Dist, Hyderabad

1

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Abdullapurmet (M), R.R. Dist. MYD-50th 502

2015-2019

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipur, Batasingaram (v), Hayathnagar (M), R.R.Dist, Hyderabad



CERTIFICATE

This is to certify that the project report entitled " INTELLIGENT BRAKING SYSTEM USING OBSTACLE SENSOR" being submitted by

A.VINOD KUMAR -15T81A0316

M.ANVESH-16T85A0302

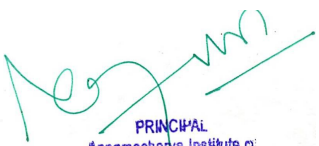
B.VIKRAM-16T85A0324

In a partial fulfillment of the requirements for the award of degree in **MECHANICAL ENGINEERING**, is a record of the Bonafide work carried out by them during the academic year **2018-2019** under our guidance and supervision.

Under Guidance

Mr.B.JEEVAN KUMAR

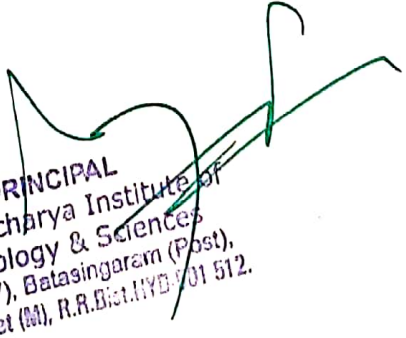

INTERNAL GUIDE


PRINCIPAL
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Head of the Department

Mr. B. JEEVAN KUMAR
DEPARTMENT
Department of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (Post), R.R. Dist-501 512

EXTERNALEXAMINER


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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R.Dist.MYD-501 512.

A
MAJOR PROJECT REPORT
ON
"FABRICATION OF MULTI OPERATING MACHINE
(CUTTING,GRINDING AND DRILLING)"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

Submitted by

BURRI MURALI

DASAROJU POORNA CHARY

PADIGAPATI RAVINDAR REDDY

ROLLNO:15T81A0307

ROLLNO:15T81A0308

ROLLNO:15T81A0313

Under the esteemed guidance of

Mr. MD JAVEED

Assistant Professor,

Department of Mechanical Engineering,

AITS, Hyderabad.



Submitted to

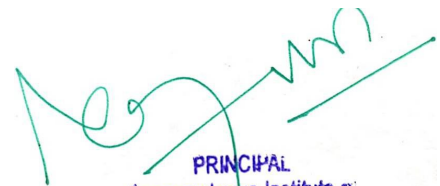
DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Accredited by NACC with A Grade, Recognized by UGC with

2(f)&12(b)&Permanent Affiliation to JNTUH)

FIGLIPUR, BATASINGARAM (V), HAYATH NAGAR (M), R.R.DIST,
HYDERABAD



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Annamacharya Institute of
Technology & Sciences
Pighpur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50th 582

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College Code : T8
ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur, Batasingaram Panchayath, Hayath Nagar Mandal, Hyderabad, R.R. Dist. 501 512.

(Approved by AICTE, Recognized by the GOVT. of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "A" Grade, Recognized by UGC Under Section 2(f) and 12(B).

Phone : 08415-201689 (O)
Mobile : 9848924705

Website : aits-hyd.org
E-mail : principalaith@gmail.com
Fax : 08415-201688

DEPARTMENT OF MECHANICAL ENGINEERING LIST OF STUDENTS UNDERTAKING PROJECT WORK (AY 2019-20)

S NO	STUDENT ROLL NUMBER AND NAME
1	16T81A0302-MITTA AKHIL
2	16T81A0303-ALOK KUMAR JHA
3	16T81A0305-D ARAVIND KUMAR
4	16T81A0308-SHAIK HAFEEZ
5	16T81A0312-K NARSIMHA REDDY
6	16T81A0315-KOLLI PRADEEP KUMAR
7	16T81A0316-ANUPA RAMKUMAR
8	16T81A0318-PESHETTI SAIROHITH
9	16T81A0319-BANDHAM SAITEJA
10	16T81A0320-GUNDLAPALLY SANDEEP
11	16T81A0324-S SRIDHAR REDDY
12	16T81A0325-NALAJALA UDAY KIRAN
13	16T81A0326-S VENKATESH
14	16T81A0327-PUSHKAR DEV
15	16T85A0317-A SATISH KUMAR
16	17T85A0301-NADIM DODDI BHEEMAI AH
17	17T85A0302-ESARI MALLESH
18	17T85A0303-BUTTA NAGARAJU
19	17T85A0304-ENUMULA NAGARAJU
20	17T85A0305-N NAGARAJU
21	17T85A0306-UDEM NIKIL REDDY
22	17T85A0307-PANJAGULA PRASAD
23	17T85A0308-MANTRALA PRASHANTH
24	17T85A0309-J RAMESH
25	17T85A0310-YARRA RAMYA
26	17T85A0311-RAGULA RAVITEJA
27	17T85A0312-MANDAVA SAI TEJ
28	17T85A0313-VEMULA SAIDA RAO
29	17T85A0314-MUDOJI SRINIVAS
30	17T85A0315-BAJAM VIJAY
31	17T85A0316-KOTI VIJAY KUMAR

HOD
HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (T), R.R. Dist-501 512.

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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512.

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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD 501 512.

A
MAJOR Project Report on
"HYBRID POWER GENERATION USING SOLAR, WIND AND
PIEZOELECTRIC ENERGY SOURCE"
Submitted to
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING
Submitted

By
ALOK KUMAR JHA 16T81A0303
P. SAI ROHITH 16T81A0318
MUDOJI SRINIVAS 17T85A0314

Under The Esteemed Guidance Of
MR. B . PRAKASH(M.TECH)
ASSISTANT PROFESSOR
MECHANICAL DEPARTMENT



Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Hayathnagar (M), R.R(D), Hyderabad-501512
(Affiliated to JNTU, Hyderabad)
2016-2020

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Betawadigera (Post)
Abdullapurmet (M), R.R. Dist. HYD-50th 50%



Department of Mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With A Grade, recognized by UGC With 2(f)& 12(b)& permanent
Affiliated to JNTUH)
08415-201689, website:aits-hyd.org, E-mail:principalaith@gmail.com

Date:

CERTIFICATE

This is to certify that the major project report entitled “HYBRID POWER GENERATION USING SOLAR, WIND AND PIEZOELECTRIC ENERGY SOURCE”

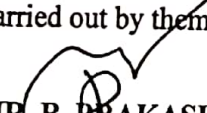
submitted by


ALOK KUMAR JHA(16T81A0303) ,


P. SAI ROHITH (16T81A0318),

MOUDOJI SRINIVAS(17T81A0314)

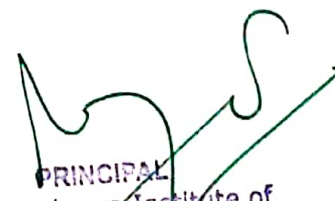
in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


MR. B. PRAKASH
Assistant Professor
(Project Guide)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512


MR. B. JEEVAN KUMAR
Head of the Department
HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (Post), R.R. Dist-501 512

EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

MAJOR PROJECT REPORT
ON
"PIPE LINE INSPECTION ROBOT"

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted

By

K.PRADEEP KUMAR	16T81A0315
A.RAM KUMAR	16T81A0316
B.SAI TEJA	16T81A0319

Under The Esteemed Guidance Of

Mr.MD JAVEED

ASST.PROFESSOR

MECHANICAL DEPARTMENT



Department of Mechanical Engineering


ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

(Affiliated to JNTU, Hyderabad & NAAC "A" GRADE)

Hayathnagar (M), R.R(D), Hyderabad-501512

2016-2020

i


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Annamacharya Institute of
Technology & Sciences
Pitapur (V), Belasingaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 512



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Annamacharya Institute of Technology and Sciences-Hyderabad

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08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled

“PIPE LINE INSPECTION ROBOT”

submitted by

K.PRADEEP KUMAR	16T81A0315
A.RAM KUMAR	16T81A0316
B.SAI TEJA	16T81A0319

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** under **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them during the academic year 2016-2020 under my guidance and supervision.

by Javed
PROJECT GUIDE
Mr.MD JAVEED

JW
HEAD OF THE DEPARTMENT
Mr.B.JEEVAN KUMAR
M.E. in
D. ph. in
Annamacharya
Pulipuri, Bhatasageram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512

EXTERNAL EXAMINER

[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pulipuri (V), Bhatasageram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

ii

[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pulipuri (V), Bhatasageram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512

A
Major Project Report
on
“DESIGN AND FABRICATION OF SHAFT DRIVEN
BICYCLE
”

Submitted in the Partial Fulfillment of the Requirements

For the Award of the Degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted

By

UDEM NIKHIL REDDY	(17T85A0306)
PANJUGULA PRASAD	(17T85A0307)
ENUMULA NAGARAJU	(17T85A0304)

Under The Esteemed Guidance Of

MR.BHARATH KUMAR

M.TECH

ASST.PROFESSOR

MECHANICAL DEPARTMENT

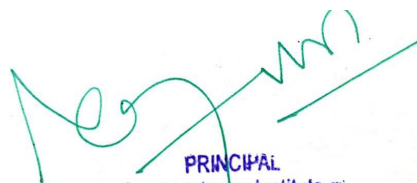


Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-5015

(Affiliated to JNTU, Hyderabad)

[2016-2020]



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Abdullapurmet (M), R.R. Dist. MYD-501 502



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08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:.....

CERTIFICATE

This is to certify that project title **“DESIGN AND FABRICATION OF SHAFT DRIVEN BICYCLE”** is a bonafide work carried over by

UDEM NIKHIL REDDY (17T85A0306)

PANJUGULA PRASAD (17T85A0307)

ENUMULA NAGARAJU (17T85A0304)

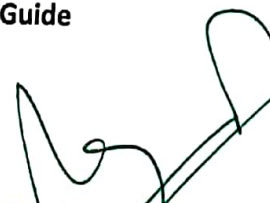
In partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Technology University, Hyderabad (academic year 2016-2020).


Mr. BHARATH KUMAR


Internal Guide


Mr. B. JEEVAN KUMAR

Head of Department of ME
Department of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512


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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

External-Examiner


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

**A
MAJOR PROJECT REPORT
ON
"FABRICATION OF ELECTRICAL POWER GENERATION FROM SPEED
BREAKER USING RACK AND PINION MECHANISM"
Submitted to**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted

By

VEMULA SAIDARAO	17T85A0313
BAJAM VIJAY	17T85A0315
GUNDLAPALLY SANDEEP REDDY	16T81A0320

Under The Esteemed Guidance Of

MR. R.UPENDAR

ASST.PROFESSOR

MECHANICAL DEPARTMENT



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

(Affiliated to JNTU, Hyderabad & NAAC "A" GRADE)

Hayathnagar (M), R.R(D), Hyderabad-501512

2016-2020


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Technology & Sciences
Pitapur (V), Bolampalem (Post)
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Department of Mechanical Engineering

Annamacharya Institute of Technology and Sciences-Hyderabad

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08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled

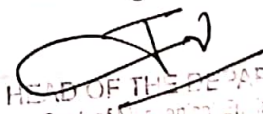
“FABRICATION OF ELECTRICAL POWER GENERATION FROM SPEED BREAKER USING RACK AND PINION MECHANISM”

submitted by

VEMULA SAIDARAO	17T85A0313
BAJAM VIJAY	17T85A0315
GUNDLAPALLY SANDEEP REDDY	16T81A0320

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** under **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them during the academic year **2016-2020** under my guidance and supervision.


MR. R. UPENDAR
PROJECT GUIDE


MR. B. JEEVAN KUMAR
HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512


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Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

**A Major Project Report
On
“Automatic Gear Shifting”**

Submitted in the Partial Fulfillment of the Requirements

**For the Award of the Degree of
BACHELOR OF TECHNOLOGY**

**In
MECHANICAL ENGINEERING**

Submitted

By

S. SRIDHAR REDDY	16T81A0324
N. NAGARAJU	17T85A0305
KOTI VIJAY KUMAR	17T85A0316

Under The Esteemed Internal Supervisor Of

**MR. SAYANNA
M.TECH.(PH.D),LLB.
ASST.PROFESSOR**

**IN
MECHANICAL DEPARTMENT**



**Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Hayathnagar (M), R.R (D), Hyderabad-501512**

1

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Abdullapurmet (M), R.R. Dist. HYD-501512

(Affiliated to JNTU, Hyderabad)



Department of Mechanical Engineering

Annamacharya Institute of Technology and Sciences-Hyderabad

(Accredited by NAAC with 'A' Grade, recognized by UGC with 2(f) & 12(b) & permanent Affiliation to JNTUH)

08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:.....

CERTIFICATE

This is to certify that project title "AUTOMATIC GEAR TRANSMISSION" is a bonafide work carried over by

S. SRIDHAR REDDY

16T81A0324

N. NAGARAJU

17T85A0305

KOTI VIJAY KUMAR

17T85A0316

In partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Technology University, Hyderabad (academic year 2019-2020).

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

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Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

**A Major Project Report
On
SOLAR POWERED AUTOMATED IRRIGATION WATER PUMP CONTROLLER WITH VOLTAGE PLOT ON MATLAB "**

Submitted in the Partial Fulfillment of the Requirements

**For the Award of the Degree of
BACHELOR OF TECHNOLOGY**

**In
MECHANICAL ENGINEERING**

Submitted

By

SANDAPUR VENKATESH	16T81A0326
RAGULA RAVITEJA	17T85A0311
MANDAVA SAITEJA	17T85A0312

Under The Esteemed Guidance Of

MR JAVEED

M.TECH

ASST.PROFESSOR

MECHANICAL DEPARTMENT



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)

[Handwritten signature in green ink]

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pithapur (V), Batawangeram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512



Department of Mechanical Engineering

Annamacharya Institute of Technology and Sciences-Hyderabad

(Accredited by NAAC with 'A' Grade, recognized by UGC with 2(f) & 12(b) & permanent Affiliation to JNTUH)

08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:.....

CERTIFICATE

This is to certify that project title "Design And Analysis Of V6 Engine Piston" is a bonafide work carried over by

SANDAPUR VENKATESH	16T81A0326
RAGULA RAVITEJA	17T85A0311
MANDAVA SAITEJA	17T85A0312

In partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Technology University, Hyderabad (academic year 2017-2018).

y. Javed
Internal Guide .. Head of Department of ME External-Examiner
HEAD OF THE DEPARTMENT
Principal, Annamacharya Institute of Technology and Sciences,
Pitapur (V), Batasingaram (Post), R.R. Dist. HYD-501 512

ACKNOWLEDGMENT

The successful completion of any tasks would be in complete without the monition of the people who made it possible v
onstant guidance and encouragement crowns all the efforts with success.

We take this opportunity to express my gratitude to all those who helped me to carry out this project successfully. We expri
y profound gratitude for their valuable guidance and support. We owe my sincere gratitude to our principal Dr P.V.KRISH
MURTHY and also to our college committee members for giving their encouragement that helped me to complete the pro
ccessfully.

[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

[Signature]
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Annamacharya Institute of
Technology & Sciences
Pitapur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512
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A
MAJOR PROJECT REPORT ON
“CFD FLOW ANALYSIS OF A REFRIGERANT
INSIDE ADIABATIC CAPILLARY TUBE”

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

Submitted

By

K.NARSHIMHA REDDY 16T81A0312

N.UDAY KIRAN 16T81A0325

E.MALLESH 17T85A0302

Under The Esteemed Guidance Of

MR. SRINIVASULU

ASST.PROFESSOR

MECHANICAL DEPARTMENT



Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE
(Affiliated to JNTU, Hyderabad & NAAC “A” GRADE)
Hayathnagar (M), R.R(D), Hyderabad-501512
2016-2020

(Handwritten signature in green ink)

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Annamacharya Institute of
Technology & Sciences
Pilgipour (V), Balesingaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 502



Department of Mechanical Engineering
Annamacharya Institute of Technology and Sciences-Hyderabad
(Accredited by NAAC with 'A' Grade, recognized by UGC with 2(f) & 12(b) &
permanent Affiliation to JNTUH)
08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled
"CFD FLOW ANALYSIS OF A REFRIGERANT
INSIDE ADIABATIC CAPILLARY TUBE"
submitted by

K.NARASHIMHA
N.UDAY KIRAN
E.MALLESH

16T81A0312
16T81A0325
17T85A0302

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** under **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them during the academic year **2016-2020** under my guidance and supervision.

P. Srinivasulu
MR.SRINUVASULU
PROJECT GUIDE

Jw
MR.B.JEEVAN KUMAR
HEAD OF THE DEPARTMENT
HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (T), R.R. Dist-501 512

EXTERNAL EXAMINER

[Signature]

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512

A
MAJOR PROJECT REPORT
ON
"SOLAR BASED AIR COMPRESSOR PUMP FOR CAR, BIKE TIRE
INFLATE"

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

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In

MECHANICAL ENGINEERING

Submitted

By

SHAIK HAFEEZ	16T81A0308
NADIMIDODDI BHEEMAI AH	17T85A0301
J RAMESH	17T85A0309

Under The Esteemed Guidance Of

Ms T SRIKANTHI

ASST.PROFESSOR

MECHANICAL DEPARTMENT



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

(Affiliated to JNTU, Hyderabad & NAAC "A" GRADE)

Hayathnagar (M), R.R(D), Hyderabad-501512.

2016 - 2020

1

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Abdullapurmet (M), R.R. Dist. MYD-501 512



Department of Mechanical Engineering

Annamacharya Institute of Technology and Sciences-Hyderabad

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08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date.....

CERTIFICATE

This is to certify that the project report entitled

“Solar based air compressor pump for car, bike tire inflate”

Submitted by

SHAIK HAFEEZ	16T81A0308
NADIMIDODDI BHEEMAIAH	17T85A0301
J RAMESH	17T85A0309

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** under **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them during the academic year 2016-2020 under my guidance and supervision.

T. Sridevi
Ms.T SRIKANTHI
PROJECT GUIDE

Jeevan Kumar
MR.B JEEVAN KUMAR
HEAD OF THE DEPARTMENT
Department of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pitapur (V), Balasringaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512

EXTERNAL EXAMINER

[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Balasringaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

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[Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Balasringaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.

**A Major Project Report
On
“Electricity Generation Through Radiator Heat” (BATCH:5)
Submitted in the Partial Fulfillment of the Requirements**

**For the Award of the Degree of
BACHELOR OF TECHNOLOGY**

**In
MECHANICAL ENGINEERING**

Submitted

By

BUTTA NAGARAJU	17T85A0303
MANTHRALA PRASHANTH REDDY	17T85A0308
DILLI ARAVIND KUMAR	16T81A0305

Under The Esteemed Guidance Of

MR S SIVA KUMAR

ASST.PROFESSOR

MECHANICAL DEPARTMENT



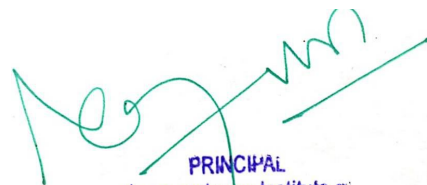
Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)

i


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Abdullapurmet (M), R.R. Dist. HYD-501 552



Department of Mechanical Engineering

Annamacharya Institute of Technology and Sciences-Hyderabad

(Accredited by NAAC with 'A' Grade, recognized by UGC with 2(f) & 12(b) & permanent Affiliation to JNTUH)

08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date:.....

CERTIFICATE

This is to certify that project title "**Electricity Generation Through Radiator Heat**" is a bonafied work carried over by

BUTTA NAGARAJU	17T85A0303
MANTHRALA PRASHANTH REDDY	17T85A0308
DILLI ARAVIND KUMAR	16T81A0305

In partial fulfillment of the requirements for the award of the degree Bachelor of Technology in Mechanical Engineering from Jawaharlal Technology University, Hyderabad (academic year 2019-2020).

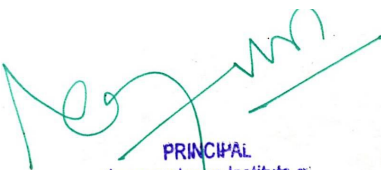

Internal Guide



Head of Department of ME

External-Examiner

HEAD OF THE DEPARTMENT
of Mechanical Engineering
Annamacharya Institute of Technology and Sciences
Pigilipur (V), Batasingaram (Post), R.R. Dist. HYD-501 512

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Pigilipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512


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Annamacharya Institute of
Technology & Sciences
Pigilipur (V), Batasingaram (Post),
Abdullapurmet (M), R.R. Dist. HYD-501 512.



College Code: T8

ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur (V), Batasingaram (Post), Abdullapurmet(M), R R.Dist.,Hyderabad-501512.

(Approved by AICTE, Recognized by the GOVT.of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "A" Grade, Recognized by UGC Under Section 2(f) and 12(B).


Mobile: 9848924705

9912344480

Website: aits-hyd.org

E-mail: principalaith@gmail.com

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, HYD				
DEPARTMENT OF MECHANICAL ENGINEERING				
MAJOR-PROJECT 2020-21				
S.NO.	TITLE	GUIDE	BATCH	H.T NUMBER
1	DESIGN AND OPTIMISATION OF HIGH SPEED MOTORISED SPINDLE	R. UPENDHAR	M.SRAVAN KUMAR	18T85A0318
			B.MAHESH	18T85A0307
			K.HARI KIRAN	17T81A0302
2	DESIGN AND ANALYSIS OF AIRCRAFT WING WITH RIBS AND SPARS USING COMPOSITE MATERIALS	S.SIVA KUMAR	L.SAI ESHWAR	18T85A0317
			V.MUKESH	18T85A0308
			SREEMAN	18T85A0319
			P.NAGARAJU	16T81A0311
3	MODELING AND ANALYSIS OF A ROCKET BASED COMBINED CYCLE ROCKET NOZZLE	BHARAT KUMAR	S.PAVAN KUMAR	18T85A0312
			G.VAMSHI KUMAR	18T85A0320
			N.NAVEEN KUMAR	17T81A0303
4	MODELING AND ANALYSIS OF GAS TURBINE COMBUSTION CHAMBER	P.SRINIVASALU	K.PRASANTH	18T85A0313
			K.MUTHYALA RAO	18T85A0309
			M.VAMSHI DEVA	18T85A0321
			D. SAI KUMAR	18T85A0316
5	FABRICATION AND TESTING OF EPOXY RESIN BASED GLASS FIBRE COCONUT FIBRE COMPOSITES USING HAND LAYUP METHOD	B.PRAKESH	P.SHEKAR	16T81A0322
			S. ADITHYA RAJ	18T85A0301
			A.V.YASHWANTH	17T81A0308
			B.SANDEEP KUMAR	17T81A0306
6	FABRICATION OF SEMI AUTOMATIC GEAR SHIFTING MECHANISM	MD JAVEED	A.ADITYA	16T85a0301
			A.ANIL KUMAR	17T81A0301
			D. BALA GANESH	18T85A0302
			R.OM PRAKESH	18T85A0311
7	DESIGN AND ANALYSIS OF COMPOSITE MATERIALS FOR PROPELLER IN AIR CRAFT	T.SRIKANTHI	A.AJAY KIRAN	16T81A0301
			V.BHARGAV	18T85A0303
			B.NARESH BABU	18T85A0310
			K.PRAVEEN	18T85A0314
			SAI RAJESH	16T81A0317


HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512


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Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 512

A
MAJOR PROJECT REPORT
ON
**“DESIGN AND OPTIMIZATION OF HIGH-SPEED
MOTORIZED SPINDLE”**

Submitted in partial fulfilment of the requirement for the award of the
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEER

Submitted by

BAKKY MAHESH	(ROLL NO: 18T85A307)
MAMINDLA SRAVAN KUMAR	(ROLL NO: 18T85A0318)
KATAM HARI KIRAN	(ROLL NO: 17T81A0302)


Under the esteemed guidance of

Mr. R. UPENDAR

Assistant Professor

Dept of Mechanical Engineering

AITH, Hyderabad.


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Dist)
Subbulpurmet (M), R.R. Dist. HYD-501 882



Submitted to

Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Piglipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad

2018-2021

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad



CERTIFICATE

This is to certify that the project report entitled “**DESIGN AND OPTIMIZATION OF HIGH-SPEED MOTORIZED SPINDLE**” being submitted by

- | | |
|---------------------------------|------------------------------|
| 1. BAKKY MAHESH | (ROLL NO: 18T85A307) |
| 2. MAMINDLA SRAVAN KUMAR | (ROLL NO: 18T85A0318) |
| 3. KATAM HARI KIRAN | (ROLL NO: 17T81A0302) |

in a partial fulfilment of the requirements for the award of degree in **MECHANICAL ENGINEERING**, is a record of the Bonafede work carried out by them during the academic year **2020-2021** under our guidance and supervision.

Under Guidance

Mr. R. UPENDAR

Head of the Department

Mr. JEEVAN

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 512

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

A
Major Project Report
On
Submitted to
**DESIGN AND FINITE ANALYSIS OF AIRCRAFT WITH RIBS AND SPAR
USING COMPOSITE MATERIALS**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

By
VELKATURI MUKESH-18T85A0308
LATCHIPATULA SAI ESWAR RAO-18T85A0317
CHERUKURI SREEMAN-18T85A0319
P.NAGARAJU-16T81A0311

Under the esteemed guidance of

Mr. S. SIVA KUMAR

M.TECH

Assistant Professor

MECHANICAL DEPARTMENT

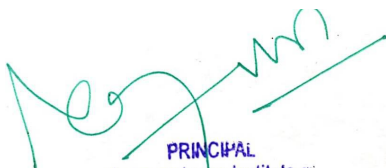


Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)


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Technology & Sciences
Pigalpur (V), Belasageram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501512



Department of mechanical Engineering

Annamacharya Institute Of Technology and Sciences-Hyderabad

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08415-201689, website:aits-hyd.org, E-mail:principalaith@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled

**"DESIGN AND FINITE ANALYSIS OF AIRCRAFT WITH RIBS AND SPAR
USING COMPOSITE MATERIALS"**

submitted by

**VELKATURI MUKESH-18T85A0308, CHERUKURI SREEMAN-18T85A0319
LATCHIPATULA SAI ESWAR RAO-18T85A0317,P.NAGARAJU-16T81A0317**

in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL
ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of
bonafide work carried out by them under my guidance and supervision.

Mr.S. SIVA KUMAR
Assistant Professor
Project Guide

Mr.B.JEEVAN KUMAR
Head of the Department

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pigilipur (V), Balakrishna (P), R.R. Dist-501 512

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Technology & Sciences**
Pigilipur (V), Balakrishna (P)
Abdullapurmet (M), R.R. Dist. HYD-501 512

EXTERNAL EXAMINER

A

Major Project Report

On

**MODELING AND ANALYSIS OF A ROCKET BASED COMBINED
CYCLE ROCKET NOZZLE**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

SATHURIPAVAN KUMAR 18T85A0312

KUNAPRASHANTH 18T85A0313

GATTU VAMSHI KUMAR 18T85A0320

NAGOLU NAVEEN REDDY 17T81A0303

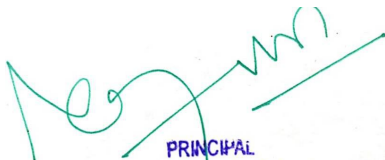
Under the esteemed guidance of

BHARATH KUMAR

M.TECH

Assistant Professor

MECHANICAL DEPARTMENT


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Balesingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50¹ 502



Department of Mechanical Engineering

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Hayathnagar (M), R.R(D), Hyderabad-501512

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Date:

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NAGOLU NAVEEN REDDY **17T81A0303**

SATHURIPAVAN KUMAR **18T85A0312**

KUNAPRASHANTH **18T85A0313**

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BHARATH KUMAR
Assistant Professor
Project Guide

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitlagpur (V), Balakrishna (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502

Mr.B.JEEVAN KUMAR
Head of the Department

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pitlagpur (V), Balakrishna (Post), R.R. Dist-501 512

EXTERNAL EXAMINER

A
Major Project Report
On

**DESIGN AND ANALYSIS OF GAS TURBINE COMBUSTION
CHAMBER**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

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In

MECHANICAL ENGINEERING

By

MUNGARA VAMSI DEVA 18T85A0321

KOVVALI MUTHYALA RAO 18T85A0309

DHARAVATH SAI KMAR 18T85A0316

P SHEKAR 16T81A0322

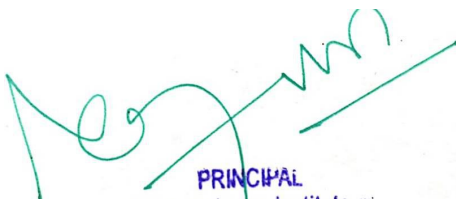
Under the esteemed guidance of

Mr.P.SRINIVASULU

M.TECH

Assistant Professor

MECHANICAL DEPARTMENT


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitlagur (V), Batawageram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50¹ 502



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Hayathnagar (M), R.R(D), Hyderabad-501512(Affiliated to JNTU, Hyderabad)



Department of mechanical Engineering

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08415-201689, website:aits-hyd.org, E-mail:principalait@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled "**DESIGN AND ANALYSIS OF GAS TURBINE AND COMBUSTION CHAMBER**" submitted by **MUNGARA VAMSI DEVA-18T85A0321, KOVVALI MUTHYALA RAO-18T85A0309, DHARAVATH SAI KUMAR-18T85A0316, P SHEKAR-16T81A0322**

in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.

P Srinivasulu

Mr.P.SRINIVASULU

Assistant Professor

Project Guide

Mr.B.JEEVAN KUMAR

Head of the Department

EXTERNAL EXAMINER

[Handwritten signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Balakrishnam (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pitapur (V), Balakrishnam (P), R.R. Dist-501 512

A

Major Project Report

On

**FABRICATION AND TESTING OF EPOXY RESIN BASED GLASS FIBRE
COCONUT FIBRE COMPOSITES USING HAND LAYUP METHOD**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

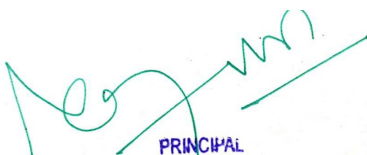
MECHANICAL ENGINEERING

By

S. ADITHYA RAJ	(18T85A0301)
A.V.YASHWANTH	(17T81A0308)
BATTULA SANDEEP	(17T81A0306)
R. ADITHYA	(16T85A0301)

Under the esteemed guidance of

**Mr. B. PRAKASH
M.TECH
Assistant Professor
MECHANICAL DEPARTMENT**


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Balesingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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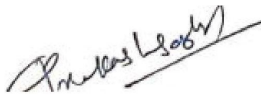
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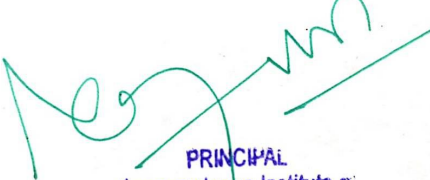
CERTIFICATE


This is to certify that the project report entitled "**FABRICATION AND TESTING OF EPOXY RESIN BASED GLASS FIBRE COCONUT FIBRE COMPOSITES USING HAND LAYUP METHOD**" submitted by

S. ADITHYA RAJ	(18T85A0301)
A.V.YASHWANTH	(17T81A0308)
BATTULA SANDEEP	(17T81A0306)
R. ADITHYA	(16T85A0301)

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


Mr. B. PRAKASH
Assistant Professor
Internal Guide


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Balesingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50* 502


Mr. B. JEEVAN KUMAR
Head of the Department
HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pitapur (V), Balesingaram (P), R.R. Dist-501 512

EXTERNAL EXAMINER

A
MAJOR PROJECT REPORT
ON
**“ELECTROMAGNETIC GEAR SHIFTING MECHANISM IN
TWO WHEELERS”**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEER

Submitted by

R.OM PRAKASH	(ROLL NO: 18T85A0311)
A. ANIL KUMAR	(ROLL NO: 17T81A0301)
D. BALA GANESH	(ROLL NO: 18T85A0302)
K. AJAY KIRAN REDDY	(ROLL NO: 16T81A0301)

Under the esteemed guidance of

Mr. MD. JAVEED

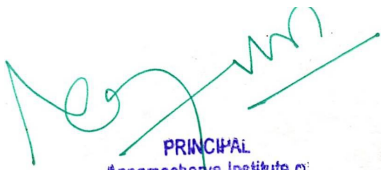
M.TECH

Assistant Professor

Dept of Mechanical Engineering,



Submitted to


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitlipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 502

Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Pitlipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad

2018-2021

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipur, Batasingaram (v), Hayat Nagar (M), R.R. Dist., Hyderabad



CERTIFICATE

This is to certify that the project report entitled “**ELECTROMAGNETIC GEAR SHIFTING MECHANISM IN TWO WHEELERS**” being submitted by

R.OM PRAKASH	(ROLL NO: 18T85A0311)
A. ANIL KUMAR	(ROLL NO: 17T81A0301)
D. BALA GANESH	(ROLL NO: 18T85A0302)
K. AJAY KIRAN REDDY	(ROLL NO: 16T81A0301)

in a partial fulfilment of the requirements for the award of degree in **MECHANICAL ENGINEERING**, is a record of the Bonafede work carried out by them during the academic year **2020-2021** under our guidance and supervision.

Under Guidance

Mr. MD. JAVEED

Head of the Department

Mr. JEEVAN

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 502

A
Major Project Report
On
Submitted to

**DESIGN AND ANALYSIS OF COMPOSITE MATERIAL FOR PROPELLER
IN AIR CRAFTS**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

VANAM BHARGAV-18T85A0303

BANOTH NARESH BABU-18T85A0310

KORLAKUNTA.PRAVEEN-18T85A0314

SHEKAR SAI RAJESH-16T81A0317

Under the esteemed guidance of

Miss.T.SRIKANTHI

M.TECH

Assistant Professor

MECHANICAL DEPARTMENT

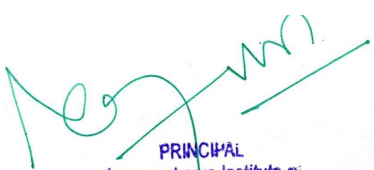


Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCE

Hayathnagar (M), R.R(D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pithapur (V), Balesangaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 512



Department of mechanical Engineering

Annamacharya Institute Of Technology and Sciences-Hyderabad

(Accredited By NAAC With A Grade, recognized by UGC With 2(f)& 12(b)& permanent
Affiliation to JNTUH)

08415-201689, website:aits-hyd.org, E-mail:principalait@gmail.com

Date:

CERTIFICATE

This is to certify that the project report entitled " **DESIGN AND ANALYSIS OF COMPOSITE MATERIAL FOR PROPELLER IN AIR CRAFTS**" submitted by **VANAM BHARGAV-18T85A0303, BANOTH NARESH BABU-18T85A0310, K.PRAVEEN-18T85A0314, SHEKAR SAI RAJESH-16T81A0317** in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.

Srikanth

Miss.T.SRIKANTHI
Assistant Professor
Project Guide

[Handwritten Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pigilpur (V), Balasringaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

[Handwritten Signature]

Mr.B.JEEVAN KUMAR
Head of the Department

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pigilpur (V), Balasringaram (P), R.R. Dist-501 512

EXTERNAL EXAMINER



College Code: T8

ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur (V), Batasingaram (Post), Abdullapurmet(M), R R.Dist.,Hyderabad-501512.

(Approved by AICTE, Recognized by the GOVT.of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "B+" Grade, Recognized by UGC Under Section 2(f) and 12(B).

Mobile: 9848924705


9912344480


Website: aits-hyd.org

E-mail: principalaith@gmail.com

DEPARTMENT OF MECHANICAL ENGINEERING LIST OF STUDENTS UNDERTAKING PROJECT WORK (AY 2021-2022)

S.No.	H.T.NO	Student Name
1	18T81A0303	K.MAHESHBABU
2	18T81A0304	E.NAVEEN GOUD
3	18T81A0305	S EJITH REDDY
4	19T85A0301	MUTTINENI AJAY KUMAR
5	19T85A0303	ANDRALA DINESH
6	19T85A0304	PATRI HRUDAY KUMAR
7	19T85A0305	GANGADEVI JOSHNA
8	19T85A0306	KASANAGOTTU KOUSHIK SAI
9	19T85A0308	NIKHIL NERELLA
10	19T85A0309	DORNALA SANDEEP
11	19T85A0310	RAPOLU SHIVA PRASAD
12	19T85A03011	PANUGANTI SHRAVAN KUMAR
13	19T85A0312	PEDAKANTI SOUNDARYA
14	19T85A0313	TULSIDHARI TEJASWI
15	19T85A0314	NADIMIPALLY UDAY
16	19T85A0315	GANGIREDDY VAJRENDHAR REDDY
17	17T81A0304	J PRABHAKAR
18	17T81A0305	LATTUPALLY RANJITH REDDY
19	17T81A0307	M SANTHOSH
20	18T85A0305	ARRA DINESH
21	18T85A0306	KOPPOLU JAYAVAMSHI
22	17TA1A0301	BALA.ESHWAR
23	185T5A0321	AJEEM SHAIK
24	185T1A0322	TIKKA VIVEK
25	195T5A0301	ANUBOTHU PRASHANTH KUMAR
26	195T5A0302	AVADARAPU DURGA PRASAD
27	19T5T5A0303	BACHANAGONI MALLIKARJUN
28	195T5A0304	BODDUPALLY MADHAVACHARY
29	195T5A0305	GANGULA VENKATESH
30	195T5A0306	KISTA. SHESHUGOPAL
31	195T5A0307	KOMATI BHARATHWAJ
32	195T5A0308	KOMIRELLI NAGARAJU REDDY
33	195T5A0309	M SHEKAR
34	19T5A0310	PARUCHURI KEERTHANA
35	195T5A0311	RAMAVATH SAIRAM NAYAK


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512


HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

A
Major Project Report

On

**MECHANICAL CHARACTERIZATION OF CALOTROPIS – GIGANTEA
COMPOSITE LAMINATE**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfilment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

SHAIK AJEEM	(185T5A0321)
TIKKA VIVEK	(185T5A0322)
A. PRASHANTH KUMAR	(195T5A0301)
M. SHEKAR	(195T5A0309)

Under the esteemed Supervision of

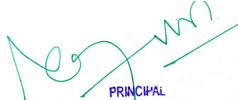
Mr. BHARATH KUMAR M. Tech
Assistant Professor
MECHANICAL DEPARTMENT



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

**Piglipir(V), Abdullapurmet (M), R.R(D),
Hyderabad-501512 (Affiliated to JNTU, Hyd)**


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Balakrishna (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512



Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With A Grade, recognized by UGC With 2(f) & 12(b)&permanent
Affiliation to JNTUH)
08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date: 06/07/2022


CERTIFICATE


This is to certify that the project report entitled “MECHANICAL CHARACTERIZATION OF CALOTROPIS – GIGANTEA COMPOSITE LAMINATE”

submitted
by

SHAIK AJEEM	(185T5A0321)
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A. PRASHANTH KUMAR	(195T5A0301)
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In partial fulfilment for the Degree of Bachelor of Technology in MECHANICAL ENGINEERING to Jawaharlal Nehru Technological University is a report of bonafide work carried out by them under my guidance and supervision.


Mr. BHARATH KUMAR
Assistant professor
M. Tech
INTERNAL GUIDE


Dr. SAYANNA GORRE
Associate professor,
B.E., M.Tech., Ph.D., LL.B
HOD., MECH. ENGG.DEPT.


EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pigalpur (V), Dabalingharam (P), R.R. Dist-501 512

A
Major Project Report

On

**DESIGN AND ANALYSIS OF BEACON LIGHT IN FUSELAGE
STRUCTURE OF AN AIRCRAFT**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

B.MADHAVACHARY (195T5A0304)
K.BHARATHWAJ (195T5A0307)
K.NAGARAJU REDDY (195T5A0308)
K. SUMANTH (17TA1A0306)

Under the esteemed Supervision of

**Mr. P. SRINIVASULU
M.TECH**

**Assistant Professor
MECHANICAL DEPARTMENT**



[Handwritten Signature]
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Professor (V), (Researcher in Post)
Abdullapurmet (M), R. R. Dist. AP/D-501-182

Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Piglipir(V),Abdullapurmet (M), R.R(D),

Hyderabad-501512(Affiliated to JNTU, Hyd)



Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With A Grade, recognized by UGC With 2(f) & 12(b)&permanent
Affiliation to JNTUH)
08415-201689, website: aits-hyd.org, E-mail:principalath@gmail.com

Date: 06.07.2022

CERTIFICATE
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BEACON LIGHT IN FUSELAGE STRUCTURE OF AN AIRCRAFT"

submitted

by

B.MADHAVACHARY (195T5A0304)
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In partial fulfillment for the Degree of Bachelor of Technology in MECHANICAL
ENGINEERING to Jawaharlal Nehru Technological University is a report of bonafide work
carried out by them under my guidance and supervision.


R. SRINIVASULU

Assistant Professor

M.TECH

Internal Guide


Dr. G. SAYANNA
Associate Professor
B.E., M.TECH., PH.D., LL.B
Head of the Department


Dr. G. SAYANNA
Associate Professor
B.E., M.TECH., PH.D., LL.B
Head of the Department

Head of the Department


EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piplilit (V), Basariguda (P), S.R. District-512

A

Major Project Report On

DESIGN AND ANALYSIS OF PROPELLER SHAFT BY USING COMPOSITE STEEL MATERIALS

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

E. NAVEEN GOUD (18T81A0304)
K. JAYA VAMSHI (18T85A0306)
N. NIKHIL (19T85A0308)
P. SHRAVAN KUMAR (19T85A0311)

Under the esteemed guidance of

Mr. R. UPENDAR
M.TECH

Assistant Professor
MECHANICAL DEPARTMENT


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Abudullapurmet
Abudullapurmet (M), R.R(D), Hyderabad-501512



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Piglipur (V) Abudullapurmet (M), R.R(D), Hyderabad-501512 (Affiliated to JNTU, Hyderabad)



Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences Hyderabad
(Accredited By NAAC With A Grade, recognized by UGC With 2(f)& 12(b)&permanent
Affiliation to JNTUH)
08415-201689, website:aits-hyd.org, E-mail:principalath@gmail.com

Date..05/07/2022

CERTIFICATE

is is to certify that the Minor project report entitled " DESIGN AND ANALYSIS OF
ROLLER SHAFT BY USING COMPOSITE STEEL MATERIALS" submitted by

E. NAVEEN GOUD (18T81A0304)
K. JAYA VAMSHI (18T85A0306)
N. NIKHIL (19T85A0308)
P. SHRAVAN KUMAR (19T85A0311)

al fulfillment for the Degree of Bachelor of Technology in MECHANICAL ENGINEERING to
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e and supervision.

Signature

Mr. R. UPENDAR(M.TECH)

Assistant Professor

Internal Guide

Signature

Dr.SAYANNA GORRE

B.E.,M.TECH.,PH.D.,LL.B.

Associate Professor,

Head of the Department,,

MECH.ENGG. DEPT.

Signature

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitlagpur (V), Basavakeream (Post)
Abbilaspetam (M), R.R. Dist. HYD-504 502

Signature
EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pitlagpur (V), Basavakeream (Post), R.R. Dist-504 502
Hyderabad

A

Major Project Report

On

DESIGN & ANALYSIS OF EXHAUST MANIFOLD OF FOUR WHEELER

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

D. SUKENDHAR REDDY

18T81A0306

P. SOUNDARYA

19T85A0312

N. UDAY

19T85A0314

Under the esteemed guidance of

Mr. R. UPENDAR

M.TECH

Assistant Professor

MECHANICAL DEPARTMENT



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Abdullapurmet (M), R.R(D), Hyderabad-

501512(Affiliated to JNTU, Hyderabad


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Abdullapurmet (M), R.R(D), Hyderabad-501512



Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With B+ Grade, recognized by UGC With 2(f)& 12(b)& permanent
Affiliation to JNTUH)
08415-201689, website:aits-hyd.org, E-mail:principalalath@gmail.com


Date: 06-07-2022


CERTIFICATE


This is to certify that the project report entitled "DESIGN & ANALYSIS OF
EXHAUST MANIFOLD OF FOUR WHEELERS" submitted by

D. SUKENDHAR REDY 18T81A0306
P. SOUNDARYA 19T85A0312
N. UDAY 19T85A0314

In partial fulfillment for the Degree of Bachelor of Technology in MECHANICAL
ENGINEERING to Jawaharlal Nehru Technological University is a report of bonafide
work carried out by them under my guidance and supervision.


Mr. R. UPENDAR
(M.Tech)
Assistant Professor
Internal Guide


Dr. G. SAYANNA
(B.E., M.Tech., Ph.D., L.L.B.)
Associate Professor
Head of the Department


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pajjandur (V), Basareddycharani (P), R.R. Dist. AP-501 502


EXTERNAL EXAMINER
HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pajjandur (V), Basareddycharani (P), R.R. Dist-501 502

A
Major Project Report

On

DESIGN & WEIGHT OPTIMIZATION OF LOWER CONTROL ARM

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

J. PRABHAKAR	17T81A0304
K.MAHESH BABU	18T81A0303
S. EJITH REDDY	18T81A0305
A.DINESH	19T85A0303

Under the esteemed guidance of

Mr. S. SIVA KUMAR
M.TECH

Assistant Professor
MECHANICAL DEPARTMENT


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
JNTU Hyderabad (Post)
Department (M), R.R. Dist. - 501512



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Abdullapurmet (M), R.R. (D), Hyderabad- 501512

Affiliated to JNTU, Hyderabad




Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With B+ Grade, recognized by UGC With 2(f)& 12(b)&permanent
Affiliation to JNTUH)
08415-201689, website:aits-hyd.org, E-mail:principalait@gmail.com

Date: 06/07/2022


CERTIFICATE
This is to certify that the project report entitled "**DESIGN & WEIGHT OPTIMIZATION OF LOWER CONTROL ARM**" submitted by

J. PRABHAKAR	17T81A0304
K.MAHESH BABU	18T81A0303
S. EJITH REDDY	18T81A0305
A.DINESH	19T85A0303

In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


Mr. S. SIVA KUMAR
Assistant Professor

Internal Guide


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Hyderabad
Registration No. 18/04/2019-2021


Mr. G. SAYANNA

B.E., M.Tech., Ph.D., LL.B.
Associate Professor

Head of the Department

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pilliputur (V), Balesingharam (P), R.R. Dist-501 512


EXTERNAL EXAMINER

A

Major Project Report

on

"FABRICATION OF SEMI-AUTOMATIC MATERIAL CARRIER FOR MINING"

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

R.SHIVA PRASAD (19T85A0310)
M.AJAY KUMAR (19T85A0301)
G.VAJRENDHAR REDDY (19T85A0315)
M.SANTHOSH (17T81A0307)

Under the esteemed guidance of

Ms. T.SRIKANTHI M. TECH

Assistant Professor

MECHANICAL DEPARTMENT


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pulijepet (V), Tadipatri (T),
Srisailem (M), R.R. Dist. AP-507 102



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND
SCIENCES

Hayathnagar, (M), Ranga Reddy (D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)



Department of Mechanical Engineering
Annamacharya Institute of Technology and Sciences-Hyderabad

Accredited By NAAC With A Grade, recognized by UGC With 2(f)&
12(b)&permanent Affiliation to JNTUH

08415-201689, website: aits-hyd.org, E-mail:
principalaith@gmail.com

Date: 06.10.7.2022

CERTIFICATE

This is to certify that the project report entitled “FABRICATION OF SEMI-
AUTOMATIC MATERIAL CARRIER FOR MINING”
submitted by

R.SHIVA PRASAD (19T85A0310)

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in a partial fulfilment of the requirements for the award of degree in
MECHANICAL ENGINEERING, is a record of the Bonafide work carried
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supervision.


Internal Guide

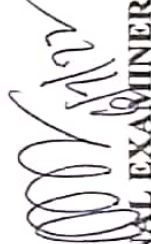
Ms. T. SRIKANTHI M.Tech


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piplajoor (V), Dabholnigaran (P), R.R. D.C. 501 512
Hyderabad (T.S.)


Head of the Department

Mr. G. SAYANNA PH. D

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piplajoor (V), Dabholnigaran (P), R.R. D.C. 501 512
Hyderabad (T.S.)


EXTERNAL EXAMINER

A
MAJOR PROJECT REPORT

ON

“PERFORMANCE AND EMISSION ANALYSIS OF CI ENGINE USING
PONGAMIA OIL”

SUBMITTED TO

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ,HYDERABAD

PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

BY

A. DURGA PRASAD	(195T5A0302)
B. MALLIKARJUN	(195T5A0303)
P. KEERTHANA	(195T5A0310)
R. SAIRAM NAYAK	(195T5A0311)

Under the esteemed supervision of
Mr.B.JEEVAN KUMAR
M.E
ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL ENGINEERING




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piplur (V), Abdullapurmet (Post)
Abdullapurmet (M), R.R. Dist. WTD-501 512

Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piplur, Abdullapurmet (M), R.R. (D), Hyderabad -501512

(Affiliated to JNTU, Hyderabad)



Department of Mechanical Engineering

Annamacharya Institute Of Technology and Sciences-Hyderabad

08415-201689, website:aits-hyd.org, E-mail:principalath@gmail.com


Date: 06/07/2022


CERTIFICATE


This is to certify that the project report entitled “**PERFORMANCE AND EMISSION ANALYSIS OF CI ENGINE USING PONGAMIA OIL**” submitted by

A. DURGA PRASAD	(195T5A0302)
B. MALLIKARJUN	(195T5A0303)
P. KEERTHANA	(195T5A0310)
R. SAIRAM NAYAK	(195T5A0311)

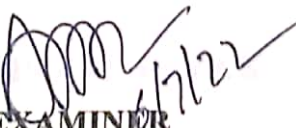
in partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawahar Lal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


Mr. B. JEEVAN KUMAR
(M.E)
Assistant professor
Internal guide


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pillipour (V), Balesingharam (Post)
Bhadrachalam (D), R.R. Dist. MYD-501 805


Dr. SAYANNA GORRE
{B.E., M.TECH., PH.D., LL.B}
Associate professor
Head of the Department
MECH. ENGG. DEPT.

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pillipour (V), Balesingharam (P), R.R. Dist. MYD-501 812


EXTERNAL EXAMINER

A
Major Project Report

On

**STUDY OF MULTIPURPOSE AGRICULTURE MACHINE
USING SOLAR ENERGY**

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfilment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

B. ESHWAR	(17TA1A0301)
B. NARESH	(185T1A0301)
G. VENKATESH	(195T5A0305)
K. SHESHUGOPAL	(195T5A0306)


**Under the esteemed Supervision of
Mr. KOTRESH.M.C M. Tech
Assistant Professor
MECHANICAL DEPARTMENT**



Department of Mechanical Engineering

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Piglipir(V), Abdullapurmet (M), R.R(D), -
Hyderabad-501512 (Affiliated to JNTU, Hyd)


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipir (V), Abdullapurmet (M),
R.R(D), Hyderabad-501512



Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With A Grade, recognized by UGC With 2(f) & 12(b)&permanent
Affiliation to JNTUH)
08415-201689, website: aits-hyd.org, E-mail: principalaith@gmail.com

Date: ..06..07..2022

CERTIFICATE

This is to certify that the project report entitled “**STUDY OF MULTIPURPOSE
AGRICULTURE MACHINE USING SOLAR ENERGY**”

submitted

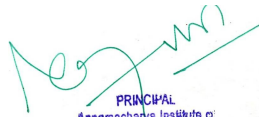
by


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In partial fulfilment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.

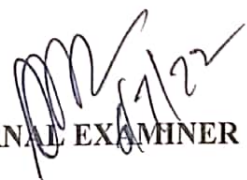

Mr. KOTRESH M.C

Assistant professor
M. Tech
Internal Guide


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Balakrishna (Post)
Akkotkurmet (M), R.R. Dist. HYD-501 505


Dr. G.SAYANNA
Associate professor,
B.E., M.Tech., Ph.D., LL.B
HOD., MECH. ENGG. DEPT.

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pitapur (V), Balakrishna (P), R.R. Dist-501 512


EXTERNAL EXAMINER

A
Major Project Report On
**DESIGN AND ANALYSIS OF HELICAL TUBE IN
COIL TYPE HEAT EXCHANGER**

Submitted to
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
In Partial fulfillment of the Requirement for the Award of the degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

By
L.RANJITH (17T81A0305)
D.SANDEEP (19T85A0309)
T.TEJASWI (19T85A0313)

Under the esteemed guidance of
BHARATH KUMAR
Assistant Professor
MECHANICAL DEPARTMENT



Signature
PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pulhori (V), Besanurpet (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

Department of Mechanical Engineering
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Abdullapurmet(M), R.R(D), Hyd,501512
(Affiliated to JNTU, Hyderabad)



Department of mechanical Engineering
Annamacharya Institute Of Technology and Sciences-Hyderabad
(Accredited By NAAC With B+ Grade, recognized by UGC With 2(f)&
12(b)&permanent Affiliation to JNTUH) 08415-201689,
website:aits-hyd.org, E-mail:principalaith@gmail.com


Date: 06/07/2022

CERTIFICATE

This is to certify that the project report entitled "**DESIGN AND ANALYSIS OF HELICAL TUBE IN COIL TYPE HEAT EXCHANGER**" submitted by

L.RANJITH	(17T81A0305)
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In partial fulfillment for the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to **Jawaharlal Nehru Technological University** is a report of bonafide work carried out by them under my guidance and supervision.


BHARATH KUMAR
M.Tech
Assistant Professor
Internal Guide


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piplipuri (V), Bheemaperum (Post)
Subbarajapuram (M), R.R. Dist. HYD-501 605


Dr.SAYANNA GORRE
[BE,M.Tech,Ph.d,LLB]
Associate Professor
HOD,MECH,ENGG,DEPT.


EXTERNAL EXAMINER

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piplipuri (V), Bheemaperum (P), R.R. Dist-501 612

A

Major Project Report

ON

“INVESTIGATION OF SINGLE POINT
INCREMENTALFORMING USING SOLID LUBRICANT”

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

In Partial fulfillment of the Requirement for the Award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

K. KOUSHIK SAI (19T85A0306)

A. DINESH (18T85A0305)

P. HRUDAY KUMAR (19T85A0304)

G. JOSHNA (19T85A0305)

Under the esteemed guidance of

Mr. B. PRAKASH M. Tech

Assistant Professor

MECHANICAL DEPARTMENT



PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pulloor (V), Bheemavaram (Post)
Subbarajapuram (M), R.R. Dist. AP-514 452

Department of Mechanical Engineering

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND
SCIENCES**

Hayathnagar, (M), Ranga Reddy (D), Hyderabad-501512

(Affiliated to JNTU, Hyderabad)

Department of Mechanical Engineering
Annamacharya Institute of Technology and Sciences-Hyderabad

Accredited By NAAC With A Grade, recognized by UGC With 2(f)&
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08415-201689, website: aits-hyd.org, E-mail: Principalait@ gmail.com



Date:

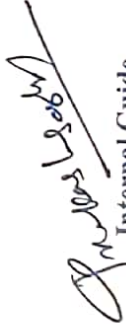
CERTIFICATE

This is to certify that the project report entitled “INVESTIGATION OF SINGLE
POINT INCREMENTAL FORMING USING SOLID LUBRICANT”

submitted by

K. KOUSHIK SAI	(19T85A0306)
A. DINESH	(18T85A0305)
P. HRUDAY KUMAR	(19T85A0304)
G. JOSHNA	(19T85A0305)

In a partial fulfillment of the requirements for the award of degree in
MECHANICAL ENGINEERING, is a record of the Bonafide work carried out by them
during the academic year **2018-2022** under our guidance and supervision.


Internal Guide

Mr. B. PRAKASH M. Tech.


Head of the Department

DR.SAYANNA GORRE

Associate professor
B.E., M.Tech., Ph.D., LL.B


EXTERNAL EXAMINER
i 6/1/22


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Baleswaram (Dist)
Bapatla (Dist), R.R. Dist., M.D. 504 395

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Pitapur (V), Baleswaram (P), R.R. Dist., 504 395



College Code: T8

ESTD: 2005

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

Piglipur (V), Batasingaram (Post), Abdullapurmet(M), R R.Dist.,Hyderabad-501512.

(Approved by AICTE, Recognized by the GOVT.of T.S., Permanent Affiliation from JNTUH, Hyderabad.)

Accredited by "NAAC" with "B+" Grade, Recognized by UGC Under Section 2(f) and 12(B).

Mobile: 9848924705

9912344480

Website: aits-hyd.org

E-mail: principalaith@gmail.com

DEPARTMENT OF MECHANICAL ENGINEERING H.T.LIST (AY 2022-23) MAJOR PROJECT WORK

S.NO.	PROJECT TITLE	H.T.NO.	STUDENT NAME
1	STRESS ANALYSIS OF CYLINDRICAL SHELL DUE TO SADDLE SUPPORT BY L.P ZICK METHOD	19T81A0304	MAMILLA SATHWIK REDDY
2		20T85A0305	NUNE.RAJESH KUMAR
3		19T81A0305	SMITH PATEL
4		19T81A0303	BUDUMARAKESH
5	ANALYSIS AS PER ASME CODE OF CYLINDRICAL SHELL THICKNESS FOR EXTERNAL PRESSURE CONDITION	20T85A0306	VENNAMPALLI ROHITH
6		19T81A0301	ARUNKUMAR CHALLA
7		20T85A0309	SEELAM SANDEEP
8		18T85A0302	MUDAVATHA GANESH
9	DESIGN AND ANALYSIS OF SKIRT SUPPORT AND ANCHOR BOLT FOR VERTICAL POSITIONED EQUIPMENT	20T85A0307	RAVIRALASAIKRISHNA
10		20T85A0304	PALEM.PRASAD
11		20T85A0302	K KALYAN
12	NOZZLE PRESSURE LOAD ANALYSIS DUE TO CONNECTEDE PIPE USING RESEARCH COUNCIL ANALYSIS METHODS	20T85A0301	HARIKRISHNA
13		20T85A0310	KOBBAJI VINAY KUMAR
14		20T85A0303	CHELKA PRABHAKER

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512

**STRESS ANALYSIS OF CYLINDRICAL SHELL DUE TO SADDLE
SUPPORT BY L.P ZICK METHOD**

**A Major Project Report
Submitted To**



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

In Partial fulfillment of the requirement

For the award of the degree of

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

By

M. SATHWIK REDDY	(19T81A0304)
N. RAJESH KUMAR	(20T85A0305)
SMITH PATEL	(19T81A0305)
B. RAKESH	(19T81A0303)

Under the Guidance of

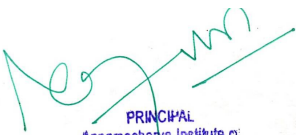
R.UPENDAR M.TECH

Assistant Professor,

Dept. of Mechanical Engineering,

AITS, Hyderabad.




PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdulapurmet (M), R.R. Dist. HYD-50th SRS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Department of Mechanical Engineering in Bachelor of Technology
Piglipur, Batasingaram (v), Hayathnagar (M), R. R. Dist.



ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipur, Batasingaram (v), Hayathnagar (M), R. R. Dist

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the work embodies in this dissertation entitled 'STRESS ANALYSIS OF CYLINDRICAL SHELL DUE TO SADDLE SUPPORT BY L.P ZICK METHOD' being submitted by 'M.SATHWIK REDDY -19T81A0304, N.RAJESH KUMAR -20T85A0305, SMITH PATEL -19T81A0305, B. RAKESH -19T81A0303' for partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering to Annamacharya institute of Technology and Sciences, Piglipur, Batasingaram(V),R.R. district, Telangana State, during the academic year 2022-2023 is a record of bonafide work, undertaken by him under the supervision of the undersigned.

INTERNAL GUIDE
R.UPENDAR M.TECH
Asst. Professor
Mechanical Department.

HEAD OF THE DEPARTMENT
DR.G. SAYANNA B.E, M. TECH, Ph. D, LLB
Assoc. Professor
Mechanical Department.

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 918

EXTERNAL EXAMINER

Ch. Ch. Sandeep Kumar

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdulapurmet (M), R.R. Dist. MYD-501 918

A MAJOR PROJECT REPORT ON
**ANALYSIS AS PER ASME CODE OF CYLINDRICAL SHELL
THICKNESS FOR EXTERNAL PRESSURE CONDITION**
A REPORT SUBMITTED
IN PARTIAL FULFULLMENT OF THE REQUIREMENT FOR THE AWARD OF
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING
BY


V. ROHITH	20T85A0306
S. SANDEEP	20T85A0309
CH. ARUNKUMAR	19T81A0301
M.GANESH	18T81A0302

UNDER THE ESTEEMED SUPERVISION OF

B. PRAKASH M.Tech

Assistant professor,

Department of Mechanical Engineering


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Pitapur (V), Baleswaram (Post)
Abdullapurmet (M), R.R. Dist. #YD-50* 583



Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Approved by AICTE, New Delhi & Permanently Affiliated to JNTUH, Hyderabad-501512)

(2022-2023)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

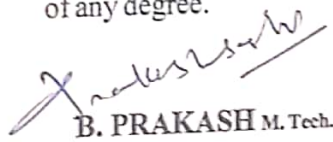
This is to certify that the project work entitled.

**“ANALYSIS AS PER ASME CODE OF CYLINDRICAL SHELL
THICKNESS FOR EXTERNAL PRESSURE CONDITON”**


is a bonafide work done by:

V. ROHITH	20T85A0306
S. SANDEEP	20T85A0309
CH. ARUNKUMAR	19T81A0301
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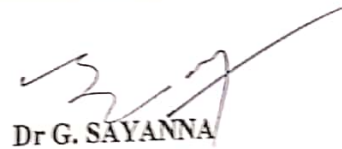
In partial fulfillment of the award of Bachelor of Technology in Department of Mechanical Engineering in ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Piglipur, Batasingaram, Hayathnagar, Hyderabad during the academic year (2022-2023). The above work is carried out under the supervision of the internal and external supervisor. This work has not been submitted to any other university/college for the reward of any degree.


B. PRAKASH M. Tech.

ASSISTANT PROFESSOR


PRINCIPAL

Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. MYD-501 582


Dr G. SAYANNA

BE., M.Tech., Ph.D., LLB

HEAD OF THE DEPARTMENT

MECHANICAL ENGINEERING

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (P), R.R. Dist-501 512

The major project submitted for the External viva voice Examination on _____

INTERNAL EXAMINER


EXTERNAL EXAMINER

A
Major Project Report
On
**DESIGN AND ANALYSIS OF SKIRT SUPPORT AND ANCHOR BOLT
FOR VERTICAL POSITIONED EQUIPMENT**
Submitted To

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
In Partial fulfillment of the requirement For the award of the degree of
BACHELOR OF TECHNOLOGY

In
MECHANICAL ENGINEERING

Submitted by

RAVIRALA SAI KRISHNA (ROLLNO: 20T85A0307)
PALEM PRASAD (ROLLNO:20T85A0304)
KASANABOINA KALYAN (ROLLNO:20T85A0302)

Under the esteemed Supervision of

B.JEEVAN KUMAR

M.E (CAD/CAM)

Assistant Professor,

Department of Mechanical Engineering,

AITS, Hyderabad.



Submitted to
Department of Mechanical Engineering in Bachelor of Technology
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Piglipuram, (v), AbdulpurMettu (M), R. R .Dist, Hyderabad.

I


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipuram (V), Balasingeram (Post)
Abdulpurmettu (M), R.R. Dist. MYD-501 502

DEPARTMENT OF MECHANICAL ENGINEERING

IN

BACHELOR OF TECHNOLOGY

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

Piglipuram (v), AbbdulapurMettu (M), R.R.Dist, Hyderabad



CERTIFICATE

This is to certify that the project report entitled

**DESIGN AND ANALYSIS OF SKIRT SUPPORT AND ANCHOR BOLT
FOR VERTICAL POSITIONED EQUIPMENT**

being submitted by

RAVIRALA SAI KRISHNA
PALEM PRASAD
KASANABOINA KALYAN

(ROLLNO: 20T85A0307)
(ROLLNO:20T85A0304)
(ROLLNO:20T85A0302)

In a partial fulfillment of the requirements for the award of BACHELOR OF TECHNOLOGY in **MECHANICAL ENGINEERING**, is a record of the Bonafide work carried out by them during the academic year **2022-2023** under our guidance and supervision.

B. Jeevan Kumar

INTERNAL GUIDE
B.JEEVAN KUMAR
M.E (CAD/CAM)
Assistant Professor
Department of Mechanical

Dr. G. Sayanna

HEAD OF THE DEPARTMENT
Dr.G.SAYANNA
B.E,M.Tech,Ph.D, LL.B
Associate Professor
Department of Mechanical

Principal

PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Balasigheram (Post)
Abbdulapurmett (M), R.R. Dist. MYD-501 512

Dr. Ch. Sandeep Kumar

EXTERNAL EXAMINER

II

(Dr. Ch. Sandeep Kumar)

HEAD OF THE DEPARTMENT
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Balasigheram (P), R.R. Dist-501 512

A

MAJOR PROJECT
REPORT ON

**"NOZZLE PRESSURE LOAD ANALYSIS DUE TO CONNECTED PIPE
USING WELDING RESEARCH COUNCIL ANALYSIS METHOD"**

Submitted by
Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING

Submitted by

G. HARIKRISHNA	(20T85A0301)
C. PRABHAKER	(20T85A0303)
K. VINAY KUMAR	(20T85A0310)

Under the esteemed supervision
of

**Mr. KRISHNAPADA
SINHA**

M Tech, (Manufacturing
Technology)

Dept. of Mechanical engineering,
AITH, Hyderabad.



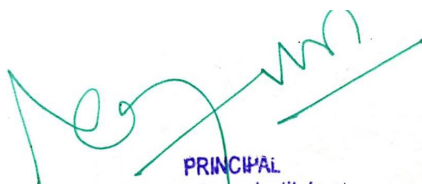
Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Accredited by NACC with A grade, recognized by UGC with 2(f) & 12(b) & permanent Affiliation to
JNTUH) PIGLIPUR, BATASINGARAM (V), HAYATHNAGAR (M), R.R.DIST,
HYDERABAD

i


PRINCIPAL
Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-50¹ 582

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Accredited by NACC with A grade, recognized by UGC with 2(f) & 12(b) & permanent Affiliation to JNTUH)

PIGLIPUR, BATASINGARAM (V), HAYATHNAGAR (M), R.R.DIST, HYDERABAD

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

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“NOZZLE PRESSURE LOAD ANALYSIS DUE TO CONNECTED PIPE USING WELDING RESEARCH COUNCIL ANALYSIS METHOD”


Being submitted by

G. HARIKRISHNA (20T85A0301)

C. PRABHAKER (20T85A0303)

K. VINAY KUMAR (20T85A0310)

In a partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY in MECHANICAL ENGINEERING**, is a record of bonafide work carried out by them during Academic year 2022-2023 under our supervision and supervision.

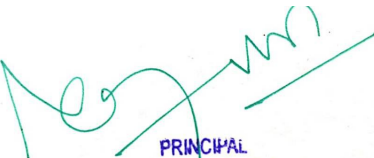

Dr. SAYANNA GORRE B.E, M. TECH, Ph. D, LLB
ASSOC. Professor Mechanical Department
HEAD OF DEPARTMENT

HEAD OF THE DEPARTMENT
AITH, Hyderabad.
Dept. of Mechanical Engineering
Annamacharya Institute of Technology & Sciences
Piglipur (V), Batasingaram (T), R.R. Dist-501 512


PROJECT GUIDE:


EXTERNAL EXAMINER

[Dr. Ch. Sandeep Kumar]


PRINCIPAL

Annamacharya Institute of
Technology & Sciences
Piglipur (V), Batasingaram (Post)
Abdullapurmet (M), R.R. Dist. HYD-501 512