



राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited

विशाखपट्टणम इस्पात संयंत्र Visakhapatnam Steel Plant

तकनीकी प्रशिक्षण केन्द्र Technical Training Institute

विशाखपट्टणम Visakhapatnam-530031

No. 09227

0009227

प्रमाण पत्र CERTIFICATE

WI904TND1104-0080

प्रामाणित किया जाता है कि श्री/This is to certify that

Mr./Ms. S SAILESH a student of

(वर्ष/पाठ्यक्रम/शाखा Year/Course/Branch/ III/B TECH/MECHANICAL

विद्यार्थी ने from SREE VIDYANIKETHAN ENGINEERING COLLEGE, TIRUPATI से

has undergone INTERNSHIP प्रशिक्षण training विशाखपट्टणम इस्पात संयंत्र

के at Visakhapatnam Steel Plant in CENTRAL MAINTENANCE MECHANICAL

विभागों में depts. from दि 09/12/2019 से to 21/12/2019 तक प्राप्त किया।

परियोजना शीर्षक The project title is \*\*\*\*\*

है।

प्रशिक्षण अवधि में उनका आचरण His/Her conduct during the period of training is

GOOD है।

स्थल/Place : Visakhapatnam

दि/Date 21/12/2019

प्रशिक्षण समन्वयक के हस्ताक्षर मोहर के साथ।  
Signature of Training Co-Ordinator with Seal

जे. प्रभाकर राव-J. PRABHAKARA RAO

वरिष्ठ प्रबंधक (प्रशि.)-Sr. Manager (Trg.)

तकनीकी प्रशिक्षण संस्थान

Technical Training Institute.

आर आई एन एल, विशाखपट्टणम इस्पात संयंत्र

RINL, Visakhapatnam Steel Plant

विशाखपट्टणम-Visakhapatnam-530 031



Scanned with  
CamScanner



Scanned with  
CamScanner



*natesans*

*Synchronizing motion... with precision*



## Deakin-IIT Madras Centre Of Excellence In Advanced Materials & Manufacturing

This is to certify that Mr. G. Sivaraja sekhar a student of Sree Vidyanikethan Engineering College, Tirupati has successfully completed the Natesan Summer Internship Program-2019 of this Centre of Excellence in Advanced Materials and Manufacturing from 1 June 2019 to 31 July 2019.

Title: A finite element analysis of laser welding of Advanced High Strength Steels

Prof. B.S. Murty  
Head, Deakin-IITM CoE

Dr. Murugaiyan Amrithalingam  
Guide, IIT Madras

Dr. K. Anand  
Chief Manager, Deakin-IITM



INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

Dr. N. Venkaiah  
Email: [venkaiah@iittp.ac.in](mailto:venkaiah@iittp.ac.in)  
Phone: +91 94419 33382

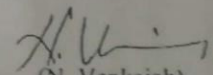
No. 2019/NV/1

Date: 27.08.2019

To whom so ever it may concern

This is to certify that **Mr. Porukuri Suresh**, a student of Sree Vidyanikethan Engineering College, Tirupati has successfully completed two-months summer Internship Program under my guidance at Department of Mechanical Engineering, Indian Institute of Technology, Tirupati from 03-06-2019 to 03-08-2019.

Title: Investigation on the conductivity variation and recyclability of the aged dielectric fluid used for WEDM applications

  
(N. Venkaiah)

Dr. N. Venkaiah  
Associate Professor  
Department of Mechanical Engg  
Indian Institute of Technology Tirupati  
Tirupati-517 506



Scanned with  
CamScanner





INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI  
Department of Mechanical Engineering

Dr. N. Venkaiah  
Email: [venkaiah@iittp.ac.in](mailto:venkaiah@iittp.ac.in)  
Phone: +91 94419 33382

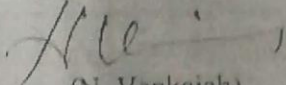
No. 2019/NV/2

Date: 27.08.2019

To whom so ever it may concern

This is to certify that **Mr. Maddulapalli Sai Jaswanth**, a student of Sree Vidyanikethan Engineering College, Tirupati has successfully completed two-months summer Internship Program under my guidance at Department of Mechanical Engineering, Indian Institute of Technology, Tirupati from 03-06-2019 to 03-08-2019.

Title: Machinability study on conductive ceramic material using WEDM

  
(N. Venkaiah)

Dr. N Venkaiah  
Associate Professor  
Department of Mechanical Engg  
Indian Institute of Technology Tirupati  
Tirupati-517 506



Scanned with  
CamScanner

**Balaji Agencies & Industries**

Plot No. 198, Auto Nagar, NELLORE-524 004. (A.P.)

Tel. : (0861) 2366108, 2366522

**Mahindra**  
Rise

Date: June 27, 2019

TO WHOMSOEVER IT MAY CONCERN

ON JOB TRAINING CERTIFICATE

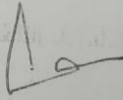
This is to certify that MR.BANDARI VISHNU VARDHAN pursuing his B-TECH Mechanical Engineering in SREE VIDYANIKETHAN ENGINEERING COLLEGE TIRUPATHI has successfully completed his on job training in our organization.

We appreciate the hard work during his on job training during tenure dated 27 May 2019 to 26 June 2019

We wish him all the best for future endeavors.

For Balaji Agencies & Industries,

TIRUPATHI.



Dealers : MAHINDRA UTILITY VEHICLES  
GSTIN. 37AACFB1970E1ZR



Scanned with  
CamScanner



Scanned with  
CamScanner



ISHRAE  
www.ishrac.in

# ISHRAE

(INDIAN SOCIETY OF HEATING REFRIGERATING  
& AIR CONDITIONING ENGINEERS)

## ISHRAE VIJAYAWADA SUB CHAPTER

### Certificate of Participation

*This is to certify that*

Mr./Ms. R. DINESH S/O R. RAMACHANDRIAH

has attended the INTERNSHIP PROGRAM

on Date 5/12/18 to 18/12/18 at HARDHIK ENTERPRISES, Vijayawada

Organized by ISHRAE VIJAYAWADA SUB CHAPTER





Authorized Dealers : **THE K.S. GROUP**  
Engineering the elements since 1995 for better solutions in HVACR  
**HARDHIK ENTERPRISES & ESWAR SAI ENTERPRISES**  
Cell : +91 98481 11878 e-mail : hardhika@gmail.com  
Cell : +91 98481 92041 e-mail : esenterprises197@gmail.com

## TO WHOMSOEVER IT MAY CONCERN

### CERTIFICATE

This is to certify that **Mr. R.DINESH B.TECH** Student in **Mechanical Engineering** from **Sree Vidyanikethan Engineering College, Tirupathi**, has successfully completed the internship at **HARDHIK ENTERPRISES, Vijayawada-520 002**, during the period from **5-12-2018 to 18-12-2018**.

He visited air conditioning, Ventilation project sites, cold rooms and submitted project report. They have taken guidance of project engineers and proprietor of this concern throughout their internship and implemented.

He is hardworking and quick learning throughout the internship with us.

We wish him all the best in future endeavors.

Thanking you,

Yours Sincerely

For **HARDHIK ENTERPRISES**

*Rao*

( **A.P. RAO** )

Proprietor

**H.O. VIJAYAWADA :**  
III Floor, Sri Sai Datta Towers,  
Seshadri Sastry St, Governorpet,  
VIJAYAWADA - 520 002.  
Ph : 0866-2437349  
Fax : 0866-2573568

**SERVICE POINT :**  
16-7-130, 2nd St., Ramamurthy Nagar,  
Near Bindumenon Hospital,  
NELLORE - 524 001.  
Cell : 98488 81202

**SERVICE POINT :**  
10-15-66, K.K. Layout,  
THIRUPATHI - 517 501.  
Cell : 9912866499

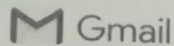


Scanned with  
CamScanner

ESWAR SAI Service Tax : AFHPA 9286 JSD 001 - Tin No. 37121469611

5/13/2020

Gmail - Cognizant Project Completion Acknowledgment !



Vasif Hussain <vasifhussain53@gmail.com>

## Cognizant Project Completion Acknowledgment !

c2c@cognizant.com <c2c@cognizant.com>  
To: vasifhussain53@gmail.com

Wed, Apr 15, 2020 at 6:27 PM



Dear DUDEKULA VASIF HUSSAIN,

Greetings from Cognizant !

Congratulations on completing your internship at Cognizant Technology Solutions in the period between  
**7th Dec 2019 and 13th April 2020.**

We appreciate the passion and professionalism you've exhibited during the internship. We take this opportunity to wish you the best in all your future endeavors.

Regards,

**Cognizant**

2020 Cognizant. All rights reserved.

This e-mail and any files transmitted with it are for the sole use of the intended recipient(s) and may contain confidential and privileged information. If you are not the intended recipient(s), please reply to the sender and destroy all copies of the original message. Any unauthorized review, use, disclosure, dissemination, forwarding, printing or copying of this email, and/or any action taken in reliance on the contents of this e-mail is strictly prohibited and may be unlawful. Where permitted by applicable law, this e-mail and other e-mail communications sent to and from Cognizant e-mail addresses may be monitored. This e-mail and any files transmitted with it are for the sole use of the intended recipient(s) and may contain confidential and privileged information. If you are not the intended recipient(s), please reply to the sender and destroy all copies of the original message. Any unauthorized review, use, disclosure, dissemination, forwarding, printing or copying of this email, and/or any action taken in reliance on the contents of this e-mail is strictly prohibited and may be unlawful. Where permitted by applicable law, this e-mail and other e-mail communications sent to and from Cognizant e-mail addresses may be monitored.



Scanned with  
CamScanner

https://mail.google.com/mail/u/0/?ik=5ef442628a&view=pt&search=all&permmsgid=msg-f%3A1664043411929337546&simpl=msg-f%3A1664043 1/1





Dear Vullemmagari Harsha,

Greetings from Cognizant !

Congratulations on completing your internship at Cognizant Technology Solutions in the period between

**7th Dec 2019 and 13th April 2020.**

We appreciate the passion and professionalism you've exhibited during the internship. We take this opportunity to wish you the best in all your future endeavors.

Regards,

**Cognizant**

2020 Cognizant. All rights reserved.



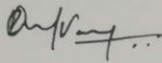
Scanned with  
CamScanner

A Certificate and a Letter of Recommendation (LoR) will also be written in the Employee's favour by the Co Founder, if the Employee excels in his/ her role.

We hope you have a great learning experience with us and grow in the process of this role.

Thanking you.

Yours faithfully,  
for Edupolis Technologies Pvt Ltd (Unschool)



Rahul Varma  
Co-Founder and CEO  
Unschool.

Authorised Signatory

I hereby accept the aforesaid position and terms and conditions of employment set forth above.

Signed: 

Date: 11/11/2019

Name: Aditya Cheelam



Scanned with  
CamScanner

## 9. EARNINGS

The Employee shall be joining as an Intern for a duration of 6 months where the salary would be based on the Employee's performance. A **base stipend of INR 7,500 per month** is provided to the Employee during the internship period. Upon meeting the required targets, the Employee shall be receiving a stipend of **up to INR 15,000** i.e; extending anywhere between INR 7,500 to INR 15,000. After the Internship Period, based on the Employee's performance, the Company has the right to uphold or withdraw the employment offer. The targets shall change every month at the sole discretion of the Company and will be communicated in the beginning of the month by the Employee's Head of Operations/ Direct Manager to the Employee.

Refer below for the split up of the salary structure for the full-time role (after the internship period) as an Operations Executive at Edupolis Technologies Pvt. Ltd (Unschool).

Name	DOJ	Designation
Aditya Cheelam	16th December 2019	Operations Executive

Components	Per month (INR)	Annual (INR)
Base Salary	10,000	1,20,000
HRA	4,000	48,000
Telephone and Internet	2,000	24,000
Special Allowances	7,200	86,400
Provident Fund	1,800	21,600
<b>Total</b>	<b>25,000</b>	<b>3,00,000</b>
<b>Deductions:</b>		
PF Employee	1,800	
PF Employer	1,800	
PT	200	
<b>Take home</b>	<b>21,200</b>	

Continued...



Scanned with  
CamScanner



**Greentech Industries (India) Private Limited -SEZ UNIT**

Regd. Office & Factory: APIIC Multi Product SEZ, Dwarakapuram Village, Naidupeta Mandal,  
SPSR Nellore District, Andhra Pradesh-524421, India.

CIN : U74900AP2008PTC060331; PH No: (08623)305000; Fax No: (08623)305200

Private & Confidential

Ref: Letter No. GTI/HR/20/27

23<sup>rd</sup> January 2020

To

K. Jyothsna

5/35, Singanamala

Anantapur

Dear Mr. K. Jyothsna,

Sub: LETTER OF OFFER

Further to the interview held on 07.01.2020 at your college, we are glad to inform you that, you have been selected as Graduate Engineer Trainee (GET) in our Foundry Department under following terms and conditions.

1. All Subjects are to be passed by you in all years. There should not be any backlogs.
2. The course completion and all original marks memos should be submitted at the time of joining.
3. The Provisional certificate is to be submitted for verification immediately after receipt of the same.
4. The salary of Rs. 2.34 Laks CTC per annum will be paid to you. You will be eligible to get free bachelor accommodation in our Dormitory, Food on free of cost.
5. You will be under training period for a period of 12 months and probation for a period of 6 months
6. You are also eligible for Attendance Bonus (monthly), Bonus (annual), Gratuity (As per ACT) and any other facilities eligible to your grade time to time.
7. After receipt of this offer letter, you should not work with any other industry before joining with us.
8. Medically fit certificate should be submitted at the time of joining.
9. Aadhaar card copy with DOB in (DD/MM/YYYY) format and 4 recent passport size photos are to be submitted as identity proof.
10. All Original educational certificates are to be submitted for verification and Xeroxes for our records.
11. The offer is valid who joins us on or before 31<sup>st</sup> May 2020, failing which the offer will be automatically cancel without any further correspondence.
12. The detailed letter of appointment will be issued to you after completion of joining formalities.

You are hereby requested to send duly signed offer letter to us as token of your acceptance. We welcome you to our GTI family and look forward for a long lasting association with us.

For Greentech Industries (India) Pvt. Ltd.,

AVGV Prasad

General Manager -HR



I am accepting your letter of offer and agreed the terms and conditions.

\_\_\_\_\_  
Signature with Date.



Scanned with  
CamScanner



Scanned with  
CamScanner

# Cognizant

Dear KARANAM SAI PRASHANTH,

Greetings from Cognizant !

Congratulations on completing your internship at Cognizant Technology Solutions in the period  
between

**7th Dec 2019 and 13th April 2020.**

We appreciate the passion and professionalism you've exhibited during the internship. We take  
this opportunity to wish you the best in all your future endeavors.

Regards,

**Cognizant**

2020 Cognizant. All rights reserved.

**Greentech Industries (India) Private Limited -SEZ UNIT**

Regd. Office & Factory: APIIC Multi Product SEZ, Dwarakapuram Village, Naidupeta Mandal,  
SPSR Nellore District, Andhra Pradesh-524421, India.

CIN: U74900AP2008PTC060331; Ph No : ( 08623)276000; Fax :( 08623)276010

27<sup>th</sup> February, 2020

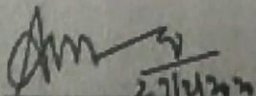
**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that, Ms. Kummari Jyothsna is doing her internship in our company in Foundry department. Quality Control section from 07.02.2020 details are as follows.

Name : Ms. Kummari Jyothsna  
Father Name : Mr. K. Rama Krishna  
Student Role No : 16121A0383  
Student of : Sri Vidyanikethan Engineering College,  
Tirupati, Andhra Pradesh.  
Education : B. Tech, Mechanical 4<sup>th</sup> Year

This certificate has been issued to submit to the college for Academic purpose.

For Greentech Industries (India) Pvt.Ltd

  
27/2/20  
AVGV Prasad  
Head-Human Resource

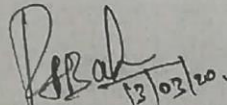




# KOBELCO PLATE PROCESSING INDIA PVT LTD

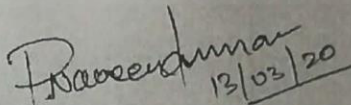
## FINAL – REPORT

We hereby declare that the work described in project report entitled "ANALYSIS AND IMPROVEMENT PLAN FOR FABRICATION PARTS" which is submitted by our batch under the guidance of P.S Balaji, has made fundamental analysis of **Time study** and by using the **5S techniques**. We successfully completed the industrial oriented in-plant training / project work for the duration of **45** working days from **06-01-2020** to **13-03-2020**.

  
**ANALYSIS GUIDE**

**P. SHUNMUGAVEL BALAJI**

(Production Head)

  
**PROJECT IN-CHARGE**

**P. NAVEEN KUMAR**

(G. M Factory Operations)

### STUDENT DETAILS:-

#### SREE VIDYANIKETHAN ENGINEERING COLLEGE

1. J. MASTAN

2. G. RAVITEJA



Scanned with  
CamScanner



राष्ट्रीय इस्पात निगम लिमिटेड Rashtriya Ispat Nigam Limited

विशाखपट्टणम इस्पात संयंत्र Visakhapatnam Steel Plant

तकनीकी प्रशिक्षण केन्द्र Technical Training Institute

विशाखपट्टणम Visakhapatnam-530031

No. 09228

0009228

प्रमाण पत्र CERTIFICATE

W1904 IN01105-0081

प्रामाणित किया जाता है कि श्री/This is to certify that

Mr./Ms.

SUNKARA KALYAN

a student of

(वर्ष/पाठ्यक्रम/शाखा Year/Course/Branch/ III/B TECH/MECHANICAL

विद्यार्थी ने from SREE VIDYANIKETHAN ENGINEERING COLLEGE, TIRUPATI से

has undergone INTERNSHIP प्रशिक्षण training विशाखपट्टणम इस्पात संयंत्र

के at Visakhapatnam Steel Plant in CENTRAL MAINTENANCE MECHANICAL

विभागों में depts. from दि 09/12/2019 से to 21/12/2019 तक प्राप्त किया।

परियोजना शीर्षक The project title is \*\*\*\*\*

है।

प्रशिक्षण अवधि में उनका आचरण His/Her conduct during the period of training is

GOOD है।

स्थल/Place : Visakhapatnam

दि/Date 21/12/2019

प्रशिक्षण समन्वयक के हस्ताक्षर मोहर के साथ।  
Signature of Training Co-Ordinator with Seal

ज. प्रभाकर राव-J. PRABHAKARA RAO

वरिष्ठ प्रबंधक (प्रशि.)-Sr. Manager (Trg.)

तकनीकी प्रशिक्षण संस्थान

Technical Training Institute.

आर आई एन एल, विशाखपट्टणम इस्पात संयंत्र

RINL, Visakhapatnam Steel Plant

विशाखपट्टणम-Visakhapatnam-530 031



Scanned with  
CamScanner

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled “ **DESIGN AND STRUCTURAL ANALYSIS OF HELICAL SPRING FOR DIFFERENT CROSS SECTION AND MATERIALS** ” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>G. MAHANTESH</b>	<b>16121A0356</b>
<b>G. MAHESH</b>	<b>16121A0360</b>
<b>C. NAGA MAHESH</b>	<b>16121A0324</b>
<b>G. MADHUSUDHAN REDDY</b>	<b>16121A0357</b>
<b>B. RAJ GOPAL NAIK</b>	<b>16121A0316</b>

*C. Nagesh*  
GUIDE

*[Signature]*  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**



A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled “ANDROID CONTROLLED PICK AND PLACE INDUSTRIAL ROBOTIC ARM ” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>A. SUDHEER</b>	<b>16121A0303</b>
<b>B. SREENATH NAIK</b>	<b>16121A0317</b>
<b>C. SAI PRAVEEN</b>	<b>16121A0323</b>
<b>D. PAVANKUMAR</b>	<b>16121A0330</b>
<b>G. SAI VARUN</b>	<b>16121A0346</b>

  
GUIDE

  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “Numerical analysis of multi-tube pass heat exchanger” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**K. ARUN**

**16121A0304**

**A. VIJAY KUMAR**

**16121A0306**

**G. VENKATESH**

**16121A0353**

**J. ARAVIND**

**16121A0363**

**E. SRAVAN**

**16121A0341**

  
GUIDE

  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

A.Rangampet, Tirupati-517102

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project titled “ **Machinability study on INCOLOY 800 superalloy using electrical discharge machining** ” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**H. ABHISHEK**

**16121A0362**

**B. KARTHIK GOUD**

**16121A0310**

**C. SATHISH KUMAR**

**16121A0327**

  
**GUIDE**

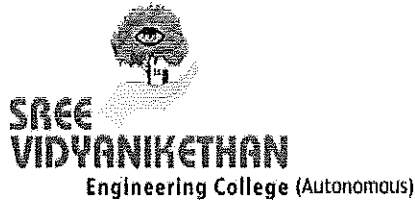
  
**HEAD OF THE DEPARTMENT**

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**



**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A. Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled “ Power Generation Using Dual Axis Solar Tracking System ” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**IRUMALESH**  
**C.GURU HARSHITHA**  
**D.SASI KUMAR**  
**E.BHARATH KRISHNAM RAJU**

**16121A0329**  
**16121A0326**  
**16121A0333**  
**16121A0344**



GUIDE

**INTERNAL EXAMINER**



HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A. Rangampeta, Tirupati, A.P - 517 102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “EXPERIMENTAL STYDY TO ENHANCE CONDENSATE WATER QUNATITY FROM AIR CONDITIONER” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

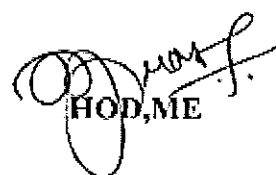
The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

<b>B. SANDHYA REDDY</b>	<b>16121A0308</b>
<b>B. UDAY BABU</b>	<b>16121A0309</b>
<b>B. CHANDRASHEKAR</b>	<b>16121A0311</b>
<b>C. ANAND</b>	<b>16121A0319</b>



Internal Guide

**Internal Examiner**



HOD, ME

**External Examiner**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**PARAMETRIC OPTIMIZATION OF AISI 409 AND AISI 310 STAINLESS STEELS USING TIG WELDING**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>CH HEMANTH</b>	<b>16121A0322</b>
<b>D.PRAKASH KUMAR REDDY</b>	<b>16121A0337</b>
<b>E.DILIP</b>	<b>16121A0340</b>
<b>E.MANOJ</b>	<b>16121A0345</b>
<b>G. TILAK PRASAD</b>	<b>16121A0350</b>

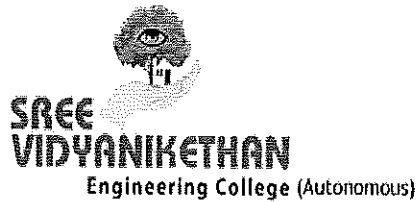
  
GUIDE

  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

**SREE VIDYANIKETHAN ENGINEERING  
COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**

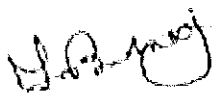



**CERTIFICATE**

This is to certify that the project titled “**RECYCLING OF PLASTIC FOR ADDITIVE MANUFACTURING APPLICATIONS**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>A. MANIDEEP</b>	<b>16121A0301</b>
<b>A. L. PREAM KUMAR</b>	<b>16121A0305</b>
<b>C. SETHURAM</b>	<b>16121A0320</b>
<b>M. DINESH</b>	<b>16121A0338</b>

  
GUIDE

  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**



# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**DESIGN AND ANALYSIS OF HIGH TEMPERATURE MINIATURE BELLOWS FOR NUCLEAR REACTOR APPLICATIONS**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>K. NIKHITHA</b>	<b>16121A0366</b>
<b>K. SANDEEP KUMAR</b>	<b>16121A0367</b>
<b>EEDALA RITEESH KUMAR YADAV</b>	<b>16121A0342</b>
<b>DARA ANAND</b>	<b>16121A0331</b>
<b>BOLLA SREE</b>	<b>16121A0312</b>



GUIDE

**INTERNAL EXAMINER**



HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(AUTONOMOUS)

A. Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “*Machinability studies on Aluminium Metal Matrix Composites by using Wire EDM*” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Ananthapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>B DWARAKA PRANAV</b>	<b>16121A0315</b>
<b>CH SARAN</b>	<b>16121A0325</b>
<b>D YAMUNA</b>	<b>16121A0335</b>
<b>D AJAY KUMAR</b>	<b>16121A0336</b>
<b>G PRANEETH VARMA</b>	<b>16121A0347</b>
<b>H MOHAMMED OMAR FAZIL</b>	<b>16121A0361</b>

  
GUIDE

  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “OPTIMIZATION OF TIG WELDING PARAMETERS ON DISSIMILAR WELDING OF AISI 310 AUSTENITIC AND AISI 430 FERRITIC STAINLESS STEELS” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**DASARI GURUSRINADH**

**16121A0332**

**D. DINESHWARAN**

**16121A0328**

**BONAGIRI ASHOK**

**16121A0313**

**GODUGU RANJITH**

**16121A0351**

**GOSA RAJ KUMAR**

**16121A0355**

  
GUIDE

**INTERNAL EXAMINER**

  
HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**

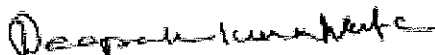


### **CERTIFICATE**


This is to certify that the project titled “ANALYSIS AND IMPROVEMENT PLAN FOR FABRICATION PARTS” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A. Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>GANGASANI MAMATHA</b>	<b>16121A0348</b>
<b>GORANTLA MOHAN SAI</b>	<b>16121A0354</b>
<b>JATPOL MASTAN</b>	<b>16121A0364</b>
<b>GUNDLAPALLI HEMANTH KUMAR</b>	<b>16121A0358</b>
<b>GURRAM RAVI TEJA</b>	<b>16121A0359</b>
<b>CHEELAM ADITYA SHIVACHANDRAN</b>	<b>16121A0321</b>

  
GUIDE

**INTERNAL EXAMINER**

  
HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

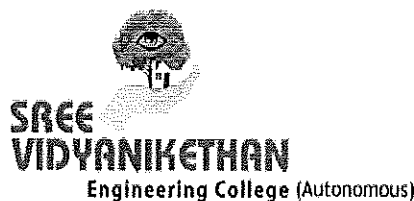


# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “EXPERIMENTAL STUDIES ON THE PARAMETERS AFFECTING THE PRESS FIT ASSEMBLY OF RAILWAY WHEEL SET” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>K.PRASANNA TEJA</b>	<b>16121A0371</b>
<b>P.SRINIVAS</b>	<b>16121A03B6</b>
<b>K.JANARDHAN</b>	<b>16121A0380</b>
<b>M.GOWTHAM NANDA</b>	<b>16121A0387</b>
<b>M.MANOJ</b>	<b>16121A0396</b>



GUIDE

**INTERNAL EXAMINER**



HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled "EXERGY ANALYSIS ON 210 MW STEAM TURBINE" submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

P.SIVA PRASAD	16121A03B4
P.HEMANTH	16121A03C8
P.VINAY KUMAR REDDY	16121A03C4
R.ROHAN KUMAR	16121A03D3
K.MANJUNATH GOUD	16121A0381
O.SARFARAJ	16121A03B0

  
GUIDE

  
HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled “A STUDY ON PERIODICAL OVERHAULING OF WHEEL SETS OF TRAIN CARRIAGE” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**P. RISHITH KUMAR**

**16121A03C6**

**P. N. D. RAKESH KUMAR**

**16121A03C5**

**M. RAVI**

**16121A0394**

**N. ARUN KUMAR REDDY**

**16121A03A9**

**N. PREM SAI**

**16121A03A5**

  
GUIDE

  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “FLOW AND HEAT TRANSFER BEHAVIOUR OF HYBRID NANOFLUID IN WAVY MINICHANNEL ”submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**P. DAMODHAR REDDY**

**16121A03C7**

**K. VENKATA TEJA**

**16121A0372**

**M. AKHIL KUMAR**

**16121A03A3**

**P. NADEEM**

**16121A03C3**

**M. RAJAREDDY**

**16121A03A4**

  
GUIDE

  
HEAD OF THE DEPARTMENT

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**



# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**ELIMINATION OF CORE SAND INCLUDED IN THE INTERNAL PROFILE OF BS VI CYLINDER HEAD**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. In Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**R. RAVI TEJA**  
**S. AYESHA SAMREEN**  
**N. HARI SATISH**  
**P.V. JAYASURYA**

**16121A03D2**  
**16121A03D4**  
**16121A03A7**  
**16121A03B2**

  
**GUIDE**

  
**HEAD OF THE DEPARTMENT**

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

## **CERTIFICATE**

This is to certify that the project titled “Evaluation of engine characteristics in CI engine using waste plastic oil from LDP at various injection timing with EGR” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**K.SRUJANI**

**16121A0379**

**K.SATYA NARAYANA**

**16121A0377**

**R.GOVINDU NAIK**

**16121A03D0**

**N.SWETHA**

**16121A03A6**

**N.BHANU PRAKASH**

**16121A03A8**

  
GUIDE

**INTERNAL EXAMINER**

  
HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**PREPARATION AND EVALUATION OF MECHANICAL PROPERTIES OF AI 7075 WITH B4C AND COCONUT SHELL FLY ASH HYBRID MMC BY POWDER METALLURGY**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**KARNATI GURU SREE LASKHMI**

**16121A0375**

**MALLI SREE HARI**

**16121A0393**

**RAVIPATI CHANDAN SREEHARSHA**

**16121A03D1**

**KURLA LEELAPRASANNA**

**16121A0384**

  
**GUIDE**

  
**HEAD OF THE DEPARTMENT**

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled **“CHARACTERIZATION OF ALUMINUM METAL MATRIX COMPOSITES”** submitted by the following students in the Department of Mechanical Engineering, Sree Vidyaniethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>K.YUGANDHAR</b>	<b>16121A0385</b>
<b>M.NIKHIL PATNAIK</b>	<b>16121A0388</b>
<b>M.VARUN OTHNEIL</b>	<b>16121A0398</b>
<b>P.ARJUN KUMARNAIK</b>	<b>16121A03B3</b>
<b>M.RAJATH BHARGAV</b>	<b>16121A0390</b>

  
GUIDE

INTERNAL EXAMINER

  
HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER



**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled “**Analysis of Damping Parameters on Magneto-Rheological Damper**” submitted by the following students in the Department of Mechanical Engineering, SreeVidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. In Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**M HEMANTH**  
**M BHARGAV KUMAR**  
**K SREEHARSHA**  
**K UPAVAN GANESH**

**16121A0399**  
**16121A0391**  
**16121A0368**  
**16121A0369**



**GUIDE**

**INTERNAL EXAMINER**



**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “CHARACTERISATION OF A FLOW(GLOBE CONTROL VALVE) FOR CRYOGENIC FLUID” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyaniethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**O.SRINIVAS  
K.LAKSHMAN  
K.TEJA SREEKANTH  
M.VINAY KUMAR**

**16121A03B1  
16121A0378  
16121A0382  
16121A0397**



**GUIDE**

**INTERNAL EXAMINER**



**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project titled “**OPTIMIZATION OF CLEANING PROCESS BY USING DRY ICE BLASTING TECHNIQUE**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**P.MOHAMMED NOOH**  
**L.SAI KISHORE**  
**P.MADHU SAI KIRAN**  
**P.DIVAKAR**  
**P.V.ROHINI**

**16121A03C2**  
**16121A0386**  
**16121A03B8**  
**16121A03C0**  
**16121A03B9**

  
GUIDE

INTERNAL EXAMINER

  
HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled “**EXPERIMENTAL INVESTIGATIONS AND COMPARATIVE ANALYSIS ON CI DIESEL ENGINE USING MACADAMIA BIODIESEL AND DIESEL<sub>2</sub>**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>K.SAI PRASHANTH</b>	<b>16121A0374</b>
<b>K.JYOTHSNA</b>	<b>16121A0383</b>
<b>M.SAI KIRAN</b>	<b>16121A0395</b>
<b>M.LENIN KUMAR</b>	<b>16121A0392</b>
<b>R.DINESH</b>	<b>16121A03C9</b>



**GUIDE**

**INTERNAL EXAMINER**



**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**DESIGN OF AUTOMATIC EGG HATCHING INCUBATOR**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**SHAIK ISMAIL**

**16121A03E3**

**T. S. UDAY KUMAR**

**16121A03E7**

**P. AYYANA GOWDU**

**17125A0334**

**K. SAI TEJA**

**17125A0323**

**T. JASWANTH REDDY**

**17125A0340**

**GUIDE**

**INTERNAL EXAMINER**

**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER**



**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project titled “ **DEVELOPMENT OF VIRTUAL ENVIRONMEMNT FOR AN ASSEMBLY OF MACHINE COMPONENTS** ”submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>S MOHITH REDDY</b>	<b>16121A03D7</b>
<b>Y VIJAY SAI NATH</b>	<b>16121A03F8</b>
<b>A ARAVIND</b>	<b>17125A0302</b>
<b>B SAI LOHITH</b>	<b>17125A0305</b>
<b>D VASIF HUSSAIN</b>	<b>17125A0314</b>
<b>G JAYA PRAKASH REDDY</b>	<b>17125A0317</b>

  
GUIDE

  
HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**

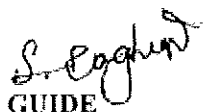


**CERTIFICATE**

This is to certify that the project titled “**A Feasibility study on wire electrodes performance for machining of hard materials using Reusable-WEDM process**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>B. Thimothi Naik</b>	<b>17125A0307</b>
<b>D. Akhil</b>	<b>17125A0312</b>
<b>G. Sivaraja sekhar</b>	<b>17125A0318</b>
<b>P. Suresh</b>	<b>17125A0333</b>

  
GUIDE

  
HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**PERFORMANCE AND ANALYSIS OF AIR PRE-HEATER**” submitted by the following students in the department of Mechanical Engineering, Sree Vidyanikethan Engineering College (autonomous), A. Rangampet, and Tirupati and is submitted in partial fulfillment for the award of B.Tech. In mechanical engineering to the Jawaharlal Nehru technological university Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>S. VENKATA NAVEEN REDDY</b>	<b>16121A03E0</b>
<b>S. PRAMOD KUMAR</b>	<b>16121A03E1</b>
<b>V. CHENNA REDDY</b>	<b>17125A0343</b>
<b>K. SURYA KARTHIK</b>	<b>17125A0321</b>
<b>K. SAICHAITHANYA</b>	<b>17125A0322</b>
<b>K. THARUNKUMAR NAIDU</b>	<b>17125A0324</b>

GUIDE

**INTERNAL EXAMINER**

HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**




### **CERTIFICATE**

This is to certify that the project titled “ **EXPERIMENTAL INVESTIGATION ON THE COMBINED EFFECT OF TURBULENCE INDUCER AND EGR WITH ALUMINA NANO PARTICLE AS ADDITIVE TO BIO DIESEL IN A DI DIESEL ENGINE** ” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>V.BALAJI</b>	<b>16121A03F4</b>
<b>V. RAJENDRA PRASAD</b>	<b>16121A03F5</b>
<b>C.V.RAMU</b>	<b>17125A0310</b>
<b>D.BRAHMA</b>	<b>17125A0311</b>
<b>P.THULASI RAMUDU</b>	<b>17125A0335</b>

  
GUIDE

  
HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**WORKING OF VARIOUS IN-PLANT COAL HANDLING SYSTEMS AND DETERMINATION OF CRITICAL PATH OF COAL HANDLING IN THERMAL POWER PLANT**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**T.SASIDHAR REDDY**

**16121A03F0**

**T.SUNIL KUMAR**

**16121A03E8**

**G.ASHOK KUMAR REDDY**

**17125A0316**

**G.REDDY**

**17125A0319**

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(AUTONOMOUS)

(Affiliated to J. N. T. University Anantapur, Anantapur)

Sree Sainath Nagar, Tirupati-517 102(A.P)

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project report entitled “**Optimization of Laser Welding Parameters for Inconel718 Alloy Joint using RSM** ” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapur, is a record of bonafide work carried out by them under our guidance and supervision.

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

**S B PREM TEJ**

**16121A03D5**

**YAMMANURI SAI BHARGAV**

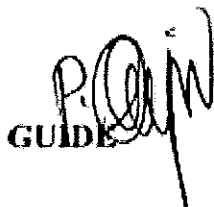
**16121A03F9**

**BONALA SAI RAM**

**17125A0309**

**V SAI SANDEEP**

**17125A0342**

  
GUIDE

**INTERNAL EXAMINER**

  
HEAD OF THE DEPARTMENT,  
HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**

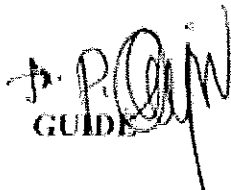


**CERTIFICATE**

This is to certify that the project titled “**Trouble shooting of failure of wire rod mill chokes**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>S.SUBAHAN</b>	<b>16121A03E4</b>
<b>T. YASHWANTH</b>	<b>16121A03F3</b>
<b>T.HARI KRISHNA</b>	<b>17125A0339</b>
<b>U. VENU GOPAL</b>	<b>17125A0341</b>

  
GUIDE

**INTERNAL EXAMINER**

  
HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**



# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project titled “**DESIGN AND ANALYSIS OF STEAM TURBINE BLADES**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**T.HEMANTH**

**16121A03F2**

**T.VIKAS**

**16121A03E9**

**B.VISHNU VARDHAN**


**17125A0308**

**P.GANESH**

**17215A0332**

**B.RANI**

**17125A0306**

  
GUIDE

  
HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

# **SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(Autonomous)

A.Rangampet, Tirupati-517102

## **DEPARTMENT OF MECHANICAL ENGINEERING**



### **CERTIFICATE**

This is to certify that the project report entitled “**ENERGY AUDIT OF FURNACE IN LMMM OF VISAKHAPATNAM STEEL PLANT**” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**SORAKAYALA CHANDINI      16121A03E6**

**S.M AAFRID AHAMMAD      16121A03D6**

**VENNAPUSA PRAVALLIKA      17125A0344**

**ALAMURI PAVANA KUMAR      17125A0301**

**ARPANA KIRANBABU      17125A0304**

  
GUIDE

**INTERNAL EXAMINER**

  
HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**



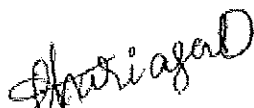
**CERTIFICATE**

This is to certify that the project titled “Heat Transfer Enhancement of Heat Pipe Using Hybrid Nano-Fluids” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**SHAIK ARIEF**  
**SOMESULA SUMANTH**  
**DUDEKULA BABAVA**  
**ELAVURU LEELA PRADEEP**  
**SHAIK HUMAYUN**

**16121A03E2**  
**16121A03E5**  
**17125A0313**  
**17125A0315**  
**17125A0337**

  
GUIDE

  
HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
(Autonomous)  
A.Rangampet, Tirupati-517102  
**DEPARTMENT OF MECHANICAL ENGINEERING**

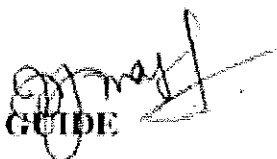


**CERTIFICATE**

This is to certify that the project titled “TRANSIENT THERMAL ANALYSIS ON DIFFERENT MISSILE CONES WITH MULTIPLE MATERIALS” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

<b>Y MOHANA REDDY</b>	<b>16121A03G0</b>
<b>S SIVA SAI NATHA REDDY</b>	<b>16121A03D9</b>
<b>L K SIVVASHANKOR</b>	<b>17125A0325</b>
<b>S THARUN</b>	<b>17125A0338</b>

  
GUIDE

**INTERNAL EXAMINER**

  
HEAD OF THE DEPARTMENT

**EXTERNAL EXAMINER**

## DEPARTMENT OF MECHANICAL ENGINEERING

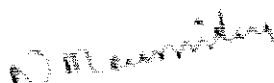


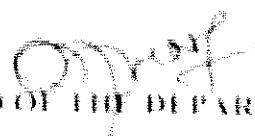
### CERTIFICATE

This is to certify that the project titled "ENHANCEMENT OF COAL CRUSHER MILL EFFICIENCY AT COAL HANDLING PLANT" submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

T.SAI VENKATA MANI TARUN	16121A03F1
V.HARSHA	16121A03F7
S.BHARATH KUMAR	16121A03D8
K.BINDU	17125A0320
S.TILARUN VIGNESHWAR	17125A0336

  
GUIDE

  
HEAD OF THE DEPARTMENT

INTERNAL EXAMINER

EXTERNAL EXAMINER

# SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

A. Rangampet, Tirupati-517102

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project titled “Analysis and enhancement of casting design and its defects using computer-aided engineering (CAE) tools” submitted by the following students in the Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A.Rangampet, Tirupati and is submitted in partial fulfillment for the award of B.Tech. in Mechanical Engineering to the Jawaharlal Nehru Technological University Anantapur, Anantapuramu is a record of bonafide work carried out by them under our guidance and supervision.

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

**M. SAI JASWANTH**  
**A. ANTONY ARUN RAJ**  
**B. NARENDRA**

**17125A0326**  
**15121A0301**  
**15125A0306**

  
**GUIDE**

  
**HEAD OF THE DEPARTMENT**

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**