



Indra Ganesan

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 2

TEACHING-LEARNING AND EVALUATION

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



2018-2019

| | | |
|-------------------|---|------------|
| Criteria 2 | Teaching-Learning and Evaluation | 350 |
|-------------------|---|------------|

Key Indicator-Experiential Learning Method (90)

**DEPARTMENT OF MECHANICAL
ENGINEERING**



Indra Ganesan

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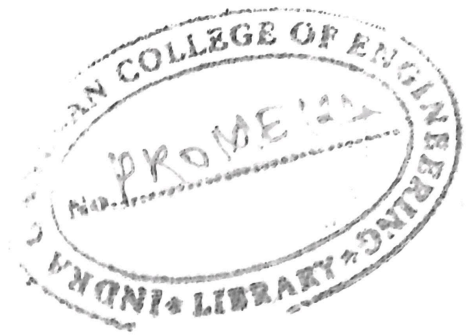
DEPARTMENT OF MECHANICAL ENGINEERING

| S.No | Project Title | No Students |
|------|--|-------------|
| 1 | DESIGN AND ANALYSIS OF CO ₂ SCRUBBER FOR BOILER | 04 |
| 2 | ENHANCEMENT OF WIND TURBINE BLADE WITH GLASS FIBER AND FOAM CORE SANDWICH STRUCTURE | 03 |
| 3 | DESIGN AND FATIGUE ANALYSIS ON METAL MATRIX COMPOSITE CONNECTING ROD BY USING FINITE ELEMENT ANALYSIS | 04 |
| 4 | DESIGN ANALYSIS AND OPTIMISATION OF CHAIN SPROCKET | 04 |
| 5 | OPTIMIZATION OF DRILLING PARAMETERS OF SS304 BY TAGUCHI METHOD | 03 |
| 6 | EXPERIMENTAL ANALYSIS AND ENHANCEMENT OF MECHANICAL PROPERTIES OF HYBRID AL6082 & Si ₃ N ₄ | 04 |

DESIGN AND ANALYSIS OF CO₂ SCRUBBER FOR BOILER

A PROJECT REPORT

Submitted by



M.PRAVEEN KUMAR 811215114037

S.B.SAFFAR HUSSAIN 811215114043

M.SANTHOSH 811215114045

S.VINCENT PAUL RAJ 811215114059

*In partial fulfillment for the award of the degree
of*

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

INDRA GANESAN COLLEGE OF ENGINEERING

TIRUCHIRAPPALLI – 620 012

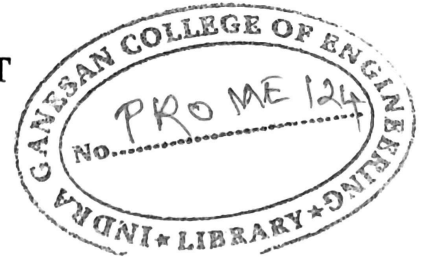
ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2019

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TIRUCHIRAPPALLI – 620 012

ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2019

ANNA UNIVERSITY, CHENNAI 600 025

BONAFIDE CERTIFICATE

This is to certify that the project report "DESIGN AND ANALYSIS OF CO₂ SCRUBBER FOR BOILER" is the bonafide work of M.PRAVEEN KUMAR, S.B.SAFFAR HUSSAIN, M.SANTHOSH, S.VINCENT PAUL, RAJ. Who carried out the project work under my supervision.


SIGNATURE

Dr.K.BALAMURUGAN, M.Tech, Ph.D,
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SIGNATURE

Mr.R.THIRUNAVUKARASU, M.E
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Submitted for the university viva-voce examination held on 25/2/19.....


INTERNAL EXAMINER


EXTERNAL EXAMINER

**ENHANCEMENT OF WIND TURBINE BLADE
WITH GLASS FIBER AND FOAM CORE
SANDWICH STRUCTURE**

A PROJECT REPORT

Submitted by

DINESH KUMAR B

GOPI P

KARUPAIYA R

KRISTEN KENNES K



In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

**INDRA GANESAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 620 012.**

ANNA UNIVERSITY: CHENNAI 600 025

MARCH – 2019

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TIRUCHIRAPPALLI – 620 012.**

ANNA UNIVERSITY: CHENNAI 600 025

MARCH – 2019

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "ENHANCEMENT OF WIND TURBINE BLADE WITH GLASS FIBER AND FOAM CORE SANDWICH STRUCTURE " is the bonafide work of "B.DINESH KUMAR, P.GOPI, R.KARUPAIYA, K.KRISTEN KENNES " who carried out the project work under my supervision.


SIGNATURE

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620 012.

Submitted for the university viva-voce Examination held on ...25.03.2019.


INTERNAL EXAMINER


EXTERNAL EXAMINER

**DESIGN AND FATIGUE ANALYSIS ON METAL
MATRIX COMPOSITE CONNECTING ROD BY
USING FINITE ELEMENT ANALYSIS**

A PROJECT REPORT

Submitted by

| | |
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| SELVAKUMAR S | 010209000007 |
| THANUTHARAN K | 010209000008 |
| DEEPAK P | 010209000009 |
| —DANTON SURESH— | —010209000010— |

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

**INDIRA GANESAN COLLEGE OF ENGINEERING,
TIRUCHIRAPPALLI - 620 011**

**ANNA UNIVERSITY - CHENNAI 600 025
MARCH - 2019**

**DESIGN AND FATIGUE ANALYSIS ON METAL
MATRIX COMPOSITE CONNECTING ROD BY
USING FINITE ELEMENT ANALYSIS**

A PROJECT REPORT

Submitted by

SELVAKUMAR S

811215114047

THAMOTHARAN K

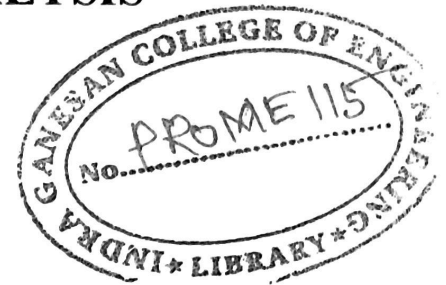
811215114055

~~**DEEPAK P**~~

~~**811215114302**~~

~~**WANTEN BERCK K**~~

~~**811215114311**~~



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**ANNA UNIVERSITY: CHENNAI 600 025
MARCH – 2019**

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND FATIGUE ANALYSIS ON METAL MATRIX COMPOSITE CONNECTING ROD BY USING FINITE ELEMENT ANALYSIS**” is the bonafide work of “**S.SELVA KUMAR, K.THAMOTHARAN, ~~P.DEEPAK,~~ ~~K.WANTEN BERCK~~**” who carried out the project work under my supervision.

*deleted
Attendance place
25/3/19*



SIGNATURE

**Dr.K.BALAMURUGAN,M.Tech.,
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Submitted for the university viva-voce Examination held on 25/3/19.....



INTERNAL EXAMINER



EXTERNAL EXAMINER

**DESIGN ANALYSIS AND OPTIMISATION OF CHAIN
SPROCKET**

A PROJECT REPORT

Submitted by

RAMACHANTHIRAN M

RAMAKKANNAN A

SARAVANAN R

← PRASANTH C



In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

IN

DEPARTMENT OF MECHANICAL ENGINEERING

INDRA GANESAN COLLEGE OF ENGINEERING

TIRUCHIRAPPALLI

ANNA UNIVERSITY: CHENNAI 600 025

MARCH – 2019

**DESIGN ANALYSIS AND OPTIMISATION OF
CHAIN SPROCKET**

A PROJECT REPORT

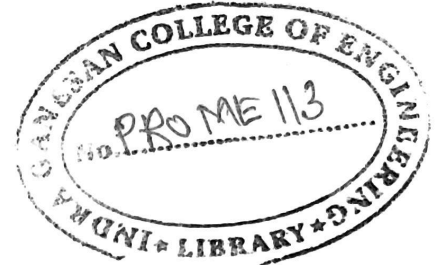
Submitted by

RAMACHANTHIRAN M 811215114039

RAMAKKANNAN A 811215114040

SARAVANAN R 811215114046

~~**PRASANTH C 811215114307**~~



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MARCH – 2019

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN ANALYSIS AND OPTIMISATION OF CHAIN SPROCKET" is the bonafide work of "RAMACHANTHIRAN.M, RAMAKKANNAN.A, SARAVANAN.R, PRASANTH C" who carried out the project work under my supervision.

Deleted Attendance lack
25/3/19

SIGNATURE

Dr.K.BALAMURUGAN, M.Tech, Ph.D.,
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Submitted for the university viva-voce Examination held on 25.03.2019

INTERNAL EXAMINER

EXTERNAL EXAMINER

OPTIMIZATION OF DRILLING PARAMETERS OF SS304 BY TAGUCHI METHOD

A PROJECT REPORT

Submitted by



| | |
|----------------|--------------|
| PRADEEP.N | 811215114035 |
| SABARINATHAN.P | 811215114042 |
| SHYAM SUNDAR.R | 811215114048 |
| KARTHICK.R | 811215114304 |

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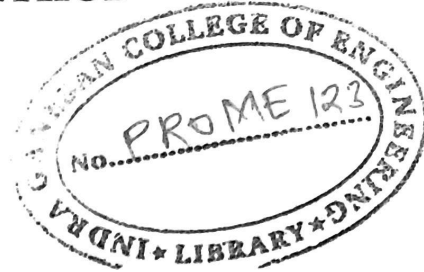
ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2019

OPTIMIZATION OF DRILLING PARAMETERS OF SS304 BY TAGUCHI METHOD

A PROJECT REPORT

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MARCH 2019

ANNA UNIVERSITY: CHENNAI 600025

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This is to certified that the project report "OPTIMIZATION OF DRILLING PARAMETERS OF SS304 BY TAGUCHI METHOD" is the bonafide work of PRADEEP.N, SABARINATHAN.P, SHYAM SUNDAR.R, KARTHICK.R. who carried out the project work under my supervision.



SIGNATURE

Dr.K.BALAMURUGAN,M.Tech,Ph.D,

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Indra Ganesan College of Engineering
Trichirappalli-620 012



SIGNATURE

Mr.R.RAMESH BABU, M.E,D.I.S,

SUPERVISOR

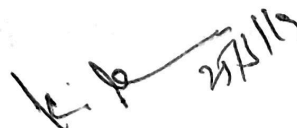
ASSISTANT PROFESSOR

Department of Mechanical Engineering,
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Tiruchirappalli-620 012

Submitted for the university viva-voce examination held on ..25-03-2019



INTERNAL EXAMINER



EXTERNAL EXAMINER



**EXPERIMENTAL ANALYSIS AND ENHANCEMENT
OF MECHANICAL PROPERTIES OF HYBRID**

AL6082 & Si₃N₄

A PROJECT REPORT

Submitted by

| | |
|-------------------------|---------------------|
| HARIHARAN .S | 811215114014 |
| PRAVEEN KUMAR .J | 811215114036 |
| PREM KUMAR .R | 811215114038 |
| GANESH .M | 811215114303 |

*In partial fulfillment for the award of the degree
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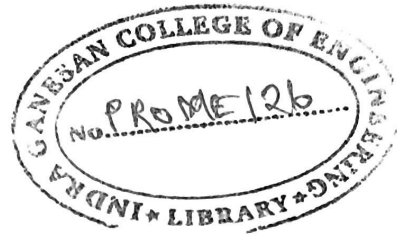
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ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2019



**EXPERIMENTAL ANALYSIS AND ENHANCEMENT
OF MECHANICAL PROPERTIES OF HYBRID**

AL6082 & Si₃N₄

A PROJECT REPORT

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| HARIHARAN .S | 811215114014 |
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ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2019

ANNA UNIVERSITY : CHENNAI 600025

BONAFIDE CERTIFICATE

This is to certify that the project report “EXPERIMENTAL ANALYSIS AND ENHANCEMENT OF MECHANICAL PROPERTIES OF HYBRID AL6082 & Si3N4” is the bonafide work of HARIHARAN.S (811215114014), PRAVEEN KUMAR.J (811215114036), PREMKUMAR.R (811215114038), GANESH.M (811215114303) who carried out the project under by supervision.

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Submitted for the university viva-voce examination held on 25.03.2019 (AN)

INTERNAL EXAMINER



EXTERNAL EXAMINER

