



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



2020-2021

Criteria 2	Teaching-Learning and Evaluation	350
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Key Indicator-Experiential Learning Method (90)

**DEPARTMENT OF MECHANICAL
ENGINEERING**



Indra Ganesan

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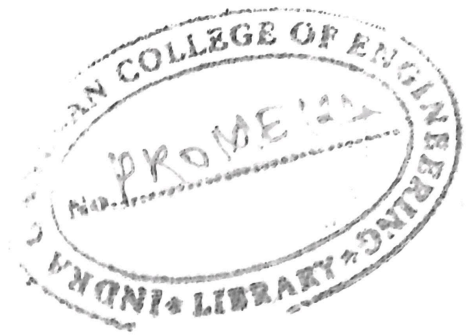
DEPARTMENT OF MECHANICAL ENGINEERING

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

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INDRA GANESAN COLLEGE OF ENGINEERING

TIRUCHIRAPPALLI – 620 012

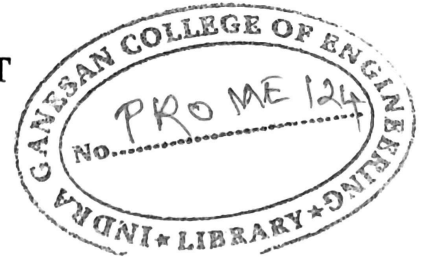
ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2019

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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

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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

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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.


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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

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

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**INDIRA GANESAN COLLEGE OF ENGINEERING,
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**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

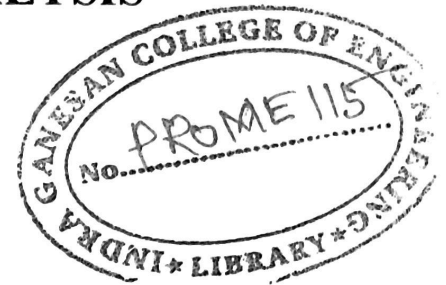
811215114055

~~**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

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INDRA GANESAN COLLEGE OF ENGINEERING

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MARCH – 2019

**DESIGN ANALYSIS AND OPTIMISATION OF
CHAIN SPROCKET**

A PROJECT REPORT

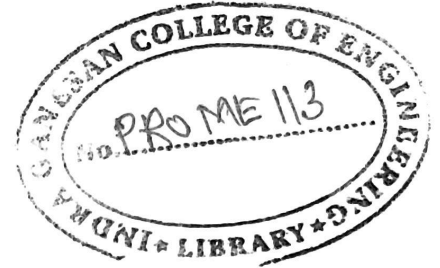
Submitted by

RAMACHANTHIRAN M 811215114039

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SARAVANAN R 811215114046

~~**PRASANTH C 811215114307**~~



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ANNA UNIVERSITY: CHENNAI 600 025

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.

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25/3/19*

SIGNATURE

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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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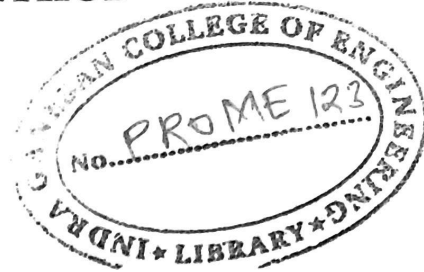
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MARCH 2019

OPTIMIZATION OF DRILLING PARAMETERS OF SS304 BY TAGUCHI METHOD

A PROJECT REPORT

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ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2019

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

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

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SUPERVISOR

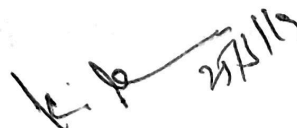
ASSISTANT PROFESSOR

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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

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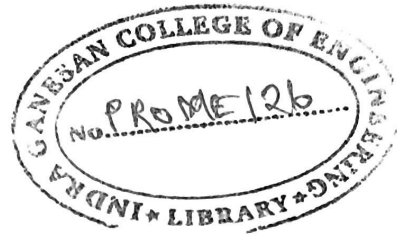
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MARCH 2019



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

AL6082 & Si₃N₄

A PROJECT REPORT

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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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INTERNAL EXAMINER



EXTERNAL EXAMINER

