



**ANALYSIS IN MECHANICAL
PROPERTIES OF AL8011 B4C
COMPOSITE**



PROJECT WORK (PHASE - I) REPORT

Submitted by

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in

MECHANICAL ENGINEERING

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(AUTONOMOUS)

JANUARY 2021

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BONA FIDE CERTIFICATE

Certified that this project report "ANALYSIS IN MECHANICAL PROPERTIES OF AL8011 B4C COMPOSITE" is the bonafide work of KARTHKEYAN A (17107041), NAVEEN S (17107067), PARTHASARATHY M (17107074) and PARTHIBAN P (17107075). Who have carried out the project work (Phase 1) under my supervision.

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Submitted for Project work (Phase 1) Viva-Voce Examination held on 1/2/21

INTERNAL EXAMINER

EXTERNAL EXAMINER



OPTIMIZATION OF MACHINING PARAMETERS IN FACE MILLING



PROJECT WORK (PHASE - I) REPORT

Submitted by

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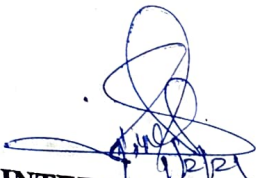
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INTERNAL EXAMINER



EXTERNAL EXAMINER

12



**DESIGN AND ANALYSIS WITH
EXPERIMENTAL INVESTIGATION
OF LEAF SPRING USING COMPOSITE
MATERIAL**



PROJECT WORK (PHASE - I) REPORT

Submitted by

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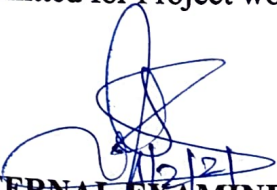
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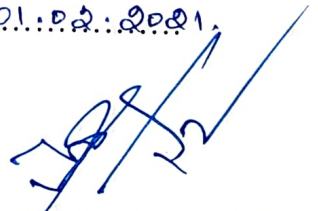
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INTERNAL EXAMINER



EXTERNAL EXAMINER



DESIGN AND IMPLEMENTATION OF MOVABLE PICK AND PLACE ROBOT



PROJECT WORK (PHASE -I) REPORT

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Certified that this project report work (Phase II) titled “ **FABRICATION AND MECHANICAL TESTING OF COMPOSITE HELMET**” is the bona fide work of **SHARATH DEEPAK(16107154), SRINIVASAN.K(16107163), SUBBULAKSHMI(16107167), THAMIZHSELVAM(16107178)**, who carried out the Project work (Phase II) under my supervision.

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INTERNAL EXAMINER



EXTERNAL EXAMINER

1



**ANALYSIS IN MECHANICAL
PROPERTIES OF ALUMINIUM
HYBRID COMPOSITE**



PROJECT WORK (PHASE - I) REPORT

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INTERNAL EXAMINER



EXTERNAL EXAMINER



**DESIGN OF SOLAR POWER BASED
RECIPROCATING WATER PUMP**



PROJECTWORK (PHASE 1) REPORT

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INTERNAL EXAMINER



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**INVESTIGATION OF ALUMINIUM METAL MATRIX
COMPOSITE BY PREPARED SQUEEZE CASTING
METHOD**



PROJECT WORK (PHASE - I) REPORT

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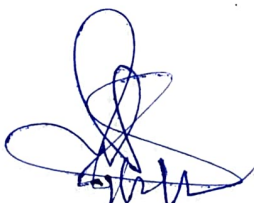
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INTERNAL EXAMINER



EXTERNAL EXAMINER



DESIGN AND ANALYSIS OF FORKLIFT FOR LIGHT WEIGHT



PROJECT WORK (PHASE - I) REPORT

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INTERNAL EXAMINER



EXTERNAL EXAMINER



THERMAL ANALYSIS OF PISTON WITH DIFFERENT MATERIALS



PROJECT WORK (PHASE – II) REPORT

Submitted by

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INTERNAL EXAMINER

EXTERNAL EXAMINER



**PROCESS PARAMETER OPTIMIZATION
OF WEDM USING MARAGING STEEL**

PROJECT WORK (PHASE – I) REPORT

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INTERNAL EXAMINER



EXTERNAL EXAMINER



AIR BRAKE SYSTEM USING EXHAUST GAS



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**DESIGN OF POWER PRODUCTION
FROM EXHAUST GAS OF AN
ENGINE**



PROJECT WORK (PHASE - I) REPORT

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**DESIGN AND ANALYSIS OF
AUTOMATIC FIRE
EXTINGUISHING ROBOT**



PROJECT WORK (PHASE – I) REPORT

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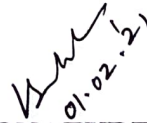
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INTERNAL EXAMINER



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3



VORTEX TUBE REFRIGERATION SYSTEM



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INTERNALEXAMINER



EXTERNALEXAMINER



OPTIMIZATION OF MACHINING PARAMETERS IN FACE MILLING



PROJECT WORK (PHASE - I) REPORT

Submitted by

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JANUARY 2021

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INTERNAL EXAMINER



EXTERNAL EXAMINER



(4)

DESIGN AND ANALYSIS OF MOTORIZED HYDRAULIC JACK



PROJECT WORK REPORT (PHASE 1)

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01/02/2021


INTERNAL EXAMINER


EXTERNAL EXAMINER



FABRICATION OF PEDAL POWERED WASHING MACHINE



PROJECT WORK (PHASE - II) REPORT

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INTERNAL EXAMINER

EXTERNAL EXAMINER

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**PERFORMANCE OPTIMISATION OF
ELECTROCHEMICAL MICRO
MACHINING**



PROJECT WORK (PHASE - II) REPORT

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MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
(AUTONOMOUS)
BONA FIDE CERTIFICATE

Certified that this project report “**PERFORMANCE OPTIMISATION OF ELECTRO CHEMICAL MICRO MACHINING**” is the bonafide work of **DHINA C (17107019), GANESHKUMAR S (17107022), HEMANTH KUMAR R (17107034),** and **KABILAN K (17107037)** Who have carried out the project work (Phase II) under my supervision.

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Submitted for Project work (Phase 2) Viva-Voce Examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER



**DEVELOPMENT OF COMPOSITE
CONTAINING RECYCLED PLASTIC
REINFORCED WITH SUGARCANE
BAGASSE, FIBER GLASS AND COCONUT COIR FOR
MECHANICAL TESTING**

PROJECT WORK (PHASE -I I) REPORT

Submitted by

GIRIDHARAN S (17107023)

HARIHARAN B (17107029)

HARIHARAN B (17107030)

HARISH P (17107033)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

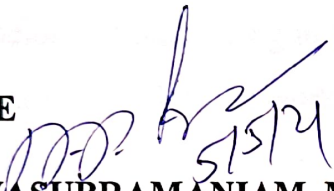
PAAVAI ENGINEERING COLLEGE,NAMAKAL

(AUTONOMOUS)

BONAFIDE CERTIFICATE

Certified that this project report “**DEVELOPMENT OF COMPOSITE CONTAINING RECYCLED PLASTIC REINFORCED WITH SUGARCANE BAGASSE, FIBER GLASS AND COCONUT COIR FOR**” is the bonafide work of GIRIDHARAN S (17107023),HARIHARAN B (17107029), HARIHARAN B (17107030) and HARISH P (17107033). Who have carried out the project work (Phase II) under my supervision.

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Submitted for Project work (Phase II) Viva-Voce Examination held on

.....

INTERNAL EXAMINER

EXTERNAL EXAMINER



**ANALYSIS IN MECHANICAL
PROPERTIES OF ALUMINIUM
HYBRID COMPOSITE**



PROJECT WORK (PHASE - II) REPORT

Submitted by

MOHAMED BASITH M (17107059)

AAKASH S (17107301)

GOWTHAM C (17107302)

VASANTH KUMAR P (17107306)

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BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL
(AUTONOMOUS)**

Certified that this project report “**FABRICATION AND MACHINABILITY OF ALUMINIUM METAL MATRIX COMPOSITE USING CARBON FIBER.** is the bonafide work of) **MOHAMED BASITH. M (17107059) AAKASH. S (17107301) GOWTHAM. C (17107302) VASANTH KUMAR. P(17107306)**who carried out the project work under my supervision.

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Submitted for Project work (phase -II) viva voce examination held on

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SIGNATURE OF INTERNAL DATES

INTERNAL EXAMINER

EXTERNAL EXAMINER



**DESIGN AND ANALYSIS OF
INTELLIGENT REVERSE BRAKING
SYSTEM USING IR SENSOR**



PROJECT WORK (PHASE - II) REPORT

Submitted by

OMSAKTHI E (17107073)

MANIKANDAN R (17107054)

NAVEENKUMAR R (17107065)

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BACHELOR OF ENGINEERING

In

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PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
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BONA FIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF INTELLIGENT REVERSE BRAKING SYSTEM USING IR SENOR**” is the bonafide work of **OMSAKTHI E (17107073), MANIKANDAN R (17107054), NAVEENKUMAR R (17107065)** Who have carried out the project work (Phase 2) under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER



GRAVITY LIGHT USING PERPETUAL ROTARY MOTION



PROJECT WORK (PHASE-II) REPORT

Submitted by

C. MAHESH	(17107051)
S. MADHAVAN	(17107049)
G. MANIKANDAN	(17107052)
J. KARTHIKEYAN	(17107042)

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

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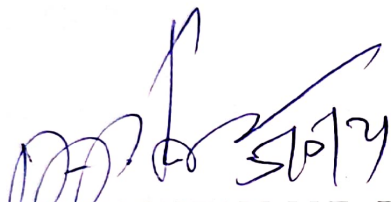
MAY 2021

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
(AUTONOMOUS)**

BONA FIDE CERTIFICATE

Certified that this "GRAVITY LIGHT USING PERPETUAL ROTARY MOTION" is the bona fide work of "C. MAHESH (17107051), S. MADHAVAN (17107049), G. MANIKANDAN (17107052), J. KARTHIKEYAN (17107042)" who carried out the project work under my supervision.

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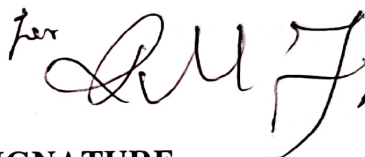
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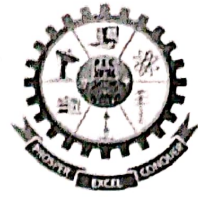
Submitted for project work (phase – II) viva-voce Examinations held on _____

INTERNAL EXAMINER

EXTERNAL EXAMINER



**A HYBRID POWER SUPPLY
SYSTEM BASED ON MODULAR
MULTILEVEL CONVERTER
(WIND AND SOLAR ENERGIES)**



PROJECT WORK (PHASE - II) REPORT

Submitted by

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KRISHNAKUMAR G	(17107046)
NANDHA KUMAR S	(17107063)
BALAJI R S	(17107148)

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in

MECHANICAL ENGINEERING

**PAAVAI ENGINEERING COLLEGE,
NAMAKKAL**

(AUTONOMOUS)

MAY 2021

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
(AUTONOMOUS)**

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Certified that this project report “A HYBRID POWER SUPPLY SYSTEM BASED ON MODULAR MULTILEVEL CONVERTER (SOLAR AND WIND ENERGIES)” is the bona fide work of KAVIARASU S (17107044), KRISHNAKUMAR G (17107046), NANDHA KUMAR S (17107063) and BALAJI R S(17107148), who have carried out the project work (Phase 2) under my supervision.


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Submitted for Project work (Phase 2) Viva-Voce Examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER



MULTIFACETATED HYDRAULIC
TECHNOLOGY
WITH GRIPPER AND TOOL



PROJECT WORK (PHASE – II) REPORT

Submitted by

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BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

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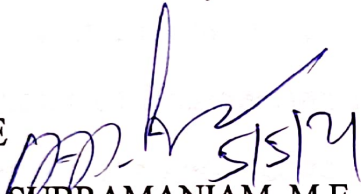
(AUTONOMOUS)

MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
(AUTONOMOUS)
BONAFIDE CERTIFICATE

Certified that this project report "MULTIFACETATED HYDRAULIC TECHNOLOGY WITH GRIPPER AND TOOL" is the bonafide work of NAVEEN R (17107066), NIDHESH KUMAR.J.B(17107070),OMPRAKASH.K(17107072),MANIVANNAN.V (17107055).Who have carried out the project work (Phase II) under my supervision.

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Submitted for Project work (Phase 11) Viva-Voce Examination held on

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DATE

INTERNAL EXAMINER

EXTERNAL EXAMINER



**FABRICATION AND
MACHINABILITY OF
ALUMINIUM METAL MATRIX**



**COMPOSITE USING ELECTROCHEMICAL
MICROMACHINING**

PROJECT WORK (PHASE - II) REPORT

Submitted by

ARUNKUMAR K (17107006)

AYYANAR B (17107009)

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BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

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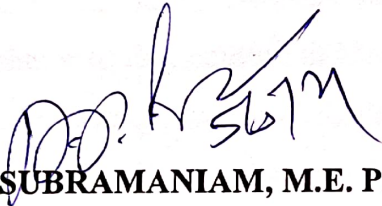
MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
(AUTONOMOUS)

BONAFIDE CERTIFICATE

Certified that this project report "FABRICATION AND MACHINABILITY OF ALUMINIUM METAL MATRIX COMPOSITE USING ELECTROCHEMICAL MICROMACHINING" is the bonafide work of K.ARUNKUMAR (17107006), B.AYYANAR (17107009), S.DEEPAN (17107014), and H.DHANANJAYAN (17107015), who carried out the project work under my supervision.

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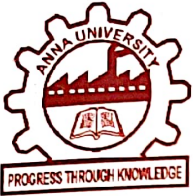
Pachal,

Namakkal – 637018.

Submitted for Project work (phase -II) viva voce examination held
on

INTERNAL EXAMINER

EXTERNAL EXAMINER



ANALYSIS IN MECHANICAL PROPERTIES OF AL8011 B4C COMPOSITE



PROJECT WORK (PHASE - 2) REPORT

Submitted by

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NAVEEN S	(17107067)
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in

MECHANICAL ENGINEERING

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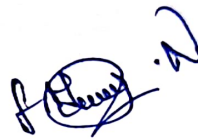
(AUTONOMOUS)

MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
(AUTONOMOUS)

BONA FIDE CERTIFICATE

Certified that this project report "ANALYSIS IN MECHANICAL PROPERTIES OF ALS011 B4C COMPOSITE" is the bonafide work of **KARTHIKEYAN A (17107041)**, **NAVEEN S (17107067)**, **PARTHASARATHY M (17107074)** and **PARTHIBAN P (1710775)**. Who have carried out the project work (Phase 2) under my supervision.



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Submitted for Project work (Phase 2) Viva-Voce Examination held on

INTERNALEXAMINER

EXTERNALEXAMINER



**INVESTIGATION OF WEAR
RESISTANCE OF IC ENGINE
COMPONENTS :PISTON AND
CYLINDER VALVE**

PROJECT WORK (PHASE - II) REPORT

Submitted by

KALAI SELVAN S	(17107039)
LOGANATHAN K	(17107047)
MOHAN RAJ R	(17107061)
NAVEEN KUMAR M.C	(17107064)

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in

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MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
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Certified that this project report "INVESTIGATION OF WEAR RESISTANCE OF IC ENGINE COMPONENT PISTON AND CYLINDER VALVE" is the bonafide work of **KALAI SELVAN S (17107039), LOGANATHAN K (17107047), MOHAN RAJ R (17107061) AND NAVEEN KUMAR M.C (17107064)** who have carried out the project work (Phase I) under my supervision.

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submitted for Project work (Phase II) Viva-Voce Examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER



**PERFORMANCE AND ANALYSIS OF
ALTRNATIVE FUEL IN DI
DIESEL ENGINE**



A PROJECT WORK PHASE- II REPORT

Submitted by

S. CIDDARTH	(17107013)
R. ARUN	(17107005)
S. DHANEESH DHARAN	(17107016)
M. DHILIP	(17107018)

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MAY 2021

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BONAFIDE CERTIFICATE

Certified that this project report “PERFORMANCE AND ANALYSIS OF ALTERNATIVE FUEL IN DI DIESEL ENGINE” is the bonafide work of “S. CIDDARTH(17107013), R. ARUN(17107005), S. DHANEESH DHARAN(17107016), and M. DHILIP(17107018)” who carried out the project work under my supervision.

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Submitted for the End Semester Examinations held on _____

INTERNAL EXAMINER

EXTERNAL EXAMINER

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE



**FABRICATION OF
AUTOMATIC AND ECO
FRIENDLY LAWN MOWER**



PROJECT WORK (PHASE - II) REPORT

Submitted by

AJAY P (17107001)

AJAY KANNAN A (17107002)

BHARATH P (17107012)

DHILIP M (17107017)

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in

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JUNE 2021

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Certified that this project report “FABRICATION OF AUTOMATIC AND ECO FRIENDLY LAWN MOWER” is the bonafide work of AJAY. P (17107001), AJAY KANNAN. A (17107002), BHARATH. P(17107012), and DHILIP. M (17107017), who carried out the project work under my supervision.

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Submitted for Project work (phase -I) viva voce examination held
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INTERNAL EXAMINER

EXTERNAL EXAMINER



DESIGN AND DEVELOPED INDUSTRIAL SUCTION CLEANER



PROJECT WORK (PHASE - II) REPORT

Submitted by

KARTHIKEYAN P (17107043)

MADHAVARAJ R (17107050)

PRAVEEN KUMAR S (17107304)

SIDDARTH N (17107505)

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in

MECHANICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

BONA FIDE CERTIFICATE

Certified that this project report “**DESIGN AND DEVELOPED INDUSTRIAL SUCTION CLEANER**” is the bonafide work of **KARTHIKEYAN P (17107043)**, **MADHAVARAJ R (17107050)**, **PRAVEEN KUMAR S (17107304)**, and **SIDDARTH (17107505)**, who carried out the project work under my supervision.



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Assistant professor

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Submitted for Project work (phase –2) Viva Voce examination held on

.....

INTERNAL EXAMINER

EXTERNAL EXAMINER



DESIGN AND ANALYSIS WITH
EXPERIMENTAL INVESTIGATION OF
LEAF SPRING USING COMPOSITE
MATERIAL



PROJECT WORK (PHASE - II) REPORT

Submitted by

SURESH KUMAR M	(17107128)
TAMIL SELVAN S	(17107131)
VINAYAGA MOORTHY S	(17107144)
YOGESHWARAN K	(17107147)

in partial fulfillment for the award of the degree of

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in

MECHANICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

APRIL 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.

(AUTONOMOUS)

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS WITH EXPERIMENTAL INVESTIGATION OF LEAF SPRING USING COMPOSITE MATERIAL**” is the bonafide work of **SURESH KUMAR M (17107128), TAMIL SELVAN S (17107131), VINAYAGA MOORTHY S (17107144) AND YOGESHWARAN K (17107147)**. Who have carried out the project work (Phase 2) under my supervision.

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Pachal, Namakkal-637018

Submitted for Project work (Phase 2) Viva-Voce Examination held on

INTERNAL EXAMINER

EXTERNAL EXAMINER



DESIGN AND ANALYSIS OF TILT ROTOR UNMANNED AERIAL VEHICLE



PROJECT WORK (PHASE - II) REPORT

Submitted by

SURESH KUMAR S S (17107129)

VIGNESH K (17107139)

in partial fulfillment for the award of the degree of

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In

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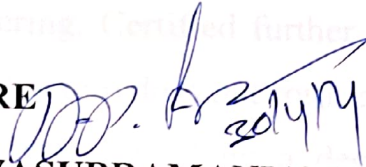
MAY 2021

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
(AUTONOMOUS)**

BONA FIDE CERTIFICATE

Certified that this project report “DESIGN AND ANALYSIS OF TILT ROTOR UNMANNED AERIAL VEHICLE” is the bonafide work of SURESH KUMAR S S (17107129), VIGNESH K (17107139). Who have carried out the project work (Phase 2) under my supervision.

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Prof.A.P.SIVASUBRAMANIAM, M.E, (Ph.d),, Mr. N.LOKESHWARAN ,M.E.,

HEAD OF THE DEPARTMENT

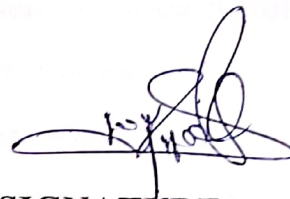
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ASSISTANT PROFESSOR

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Submitted for Project work (Phase 2) Viva-Voce Examination held on ..10.05.2021

INTERNAL EXAMINER

EXTERNAL EXAMINER



AIR BRAKE SYSTEM USING EXHAUST GAS



PROJECT WORK (PHASE - II) REPORT

Submitted by

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REEGAN R	(17107098)
SANKAR S	(17107108)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)


MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.

(AUTONOMOUS)

BONA FIDE CERTIFICATE

Certified that this project report “**AIR BRAKE SYSTEM USING EXHAUST GAS**” is the bonafide work of “**PRAVEEN G (17107084), PREMKUMAR A (17107086), REEGAN R (17107098), SANKAR S(17107108),**” Who have carried out the project work (Phase II) under my supervision.



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Pachal, Namakkal-637018

Submitted for Project work (Phase II) Viva-Voce Examination held on 10.5.2021....

INTERNAL EXAMINER

EXTERNAL EXAMINER



**INVESTIGATION OF ALUMINIUM METAL
MATRIX COMPOSITE BY PREPARED
SQUEEZE CASTING METHOD
PROJECT WORK (PHASE - II) REPORT**



Submitted by

PRAKASH G	(17107080)
PRAKASH R	(17107081)
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SANTHOSH M	(17107112)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.

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BONA FIDE CERTIFICATE

Certified that this project report "INVESTIGATION OF ALUMINIUM METAL MATRIX COMPOSITE BY PREPARED SQUEEZE CASTING METHOD" is the bonafide work of PRAKASH G(17107080), PRAKASH R(17107081), SABARI RAJA S(17107100), SANTHOSH M (17107112). Who have carried out the project work (Phase 1) under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER



**PROCESS PARAMETER
OPTIMIZATION OF WEDM USING
MARAGING STEEL**



PROJECT WORK (PHASE - II) REPORT

Submitted by

AMIRTHAVARSHINI M	(17107003)
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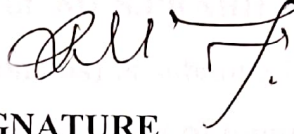
MAY 2021

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BONA FIDE CERTIFICATE

Certified that this project report "PROCESS PARAMETER OPTIMIZATION OF WEDM USING MARAGING STEEL" is the bonafide work of AMIRTHAVARSHINI M (17107003), NISHANANDHINI A (17107071) and SELVAM R (17107116). Who have carried out the project work (Phase 2) under my supervision.

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Submitted for Project work (Phase 2) Viva-Voce Examination held on 10/05/20...

INTERNAL EXAMINER

EXTERNAL EXAMINER



**OPTIMIZATION OF MACHINING
PARAMETERS IN FACE MILLING**



PROJECT WORK (PHASE - II) REPORT

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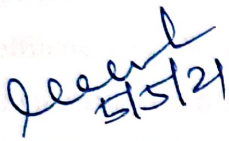
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BONAFIDE CERTIFICATE

Certified that this project report "OPTIMIZATION OF MACHINING PARAMETERS IN FACE MILLING" is the bonafide work of H.SHEIK ABDULLAH (17107120), J.SONIC JACOB (17107124), B.SUBASH (17107125) and M. VIJAYA RAGAVAN (17107143). Who have carried out the project work (Phase 1) under my supervision.



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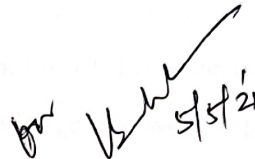
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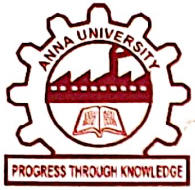
Namakkal-637018.

Submitted for Project work (Phase 1) Viva-Voce Examination held on 15/05/21....

DATE:

INTERNAL EXAMINER

EXTERNAL EXAMINER



**DESIGN AND ANALYSIS OF POWER
PRODUCTION FROM EXHAUST
GAS OF AN ENGINE**



A PROJECT PHASE II REPORT

Submitted by

SUTHESH S	(17107130)
VIGNESH S	(17107141)
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Certified that this project report “DESIGN AND ANALYSIS OF POWER PRODUCTION FROM EXHAUST GAS OF AN ENGINE” is the bonafide work of S.SUTHESH (17107130) S.VIGNESH (17107141) J. VIJAY (17107142) S. SHYAMSUNDAR (17107308) Who carried out the project work under my supervision.

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DATE: 10.05.2021

PLACE: Paavai

INTERNAL EXAMINER

SIGNATURE OF THE CANDIDATES

EXTERNAL EXAMINER



DESIGN AND ANALYSIS OF MOTORIZED HYDRAULIC JACK



PROJECT WORK (PHASE II) REPORT

Submitted by

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Certified that this project report “DESIGN AND ANALYSIS OF MOTORIZED JACK” is the bonafide work of PRETHIYAN P (17107087), SENTHILRAJA M (17107118). Who have carried out the project work under my supervision.

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INTERNAL EXAMINER

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**DESIGN AND ANALYSIS OF
HYDRAULIC METAL BENDING
MACHINE**



PROJECT WORK (PHASE - II) REPORT

Submitted by

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MAY 2021

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL.
(AUTONOMOUS)**

BONA FIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF HYDRAULIC BENDING MACHINE**” is the bonafide work of **VENKATESH (17107136), SUMAN RAJ P (17107126), VISHESH K (17107146) and KARTHICK(17107303)** Who have carried out the project work (Phase 2) under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER



DESIGN AND ANALYSIS OF INDUSTRIAL FORKLIFT FOR LIGHT WEIGHT



PROJECT WORK (PHASE - II) REPORT

Submitted by

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BONA FIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF INDUSTRIAL FORKLIFT FOR LIGHT WEIGHT**” is the bona fide work of **PRAVINKUMAR K (17107085), PRITHVI RAJ R(17107088), RAGUNATH R (17107089), SARAN S (17107114)**. Who have carried out the project work (Phase 1) under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER



DESIGN AND ANALYSIS OF AUTOMATIC FIRE EXTINGUISHING ROBOT



PROJECT WORK (PHASE – II) REPORT

Submitted by,

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I.SAJITH	(17107101)
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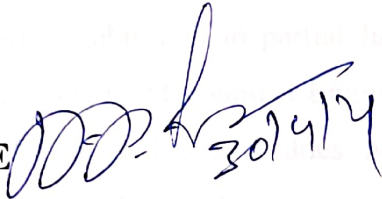
**PAAVAI ENGINEERING COLLEGE,
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MAY 2021**

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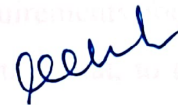
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INTERNAL EXAMINER

EXTERNAL EXAMINER



VORTEX TUBE REFRIGERATION SYSTEM



PROJECT WORK (PHASE - II) REPORT

Submitted by

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SANKARANARAYANAN K	(17107109)

in partial fulfillment for the award of the degree of

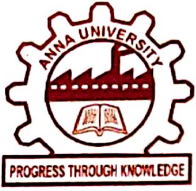
BACHELOR OF ENGINEERING

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MECHANICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
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MAY 2021



**DESIGN AND ANALYSIS OF POWER
PRODUCTION FROM EXHAUST
GAS OF AN ENGINE**



A PROJECT PHASE II REPORT

Submitted by

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MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report “DESIGN AND ANALYSIS OF POWER PRODUCTION FROM EXHAUST GAS OF AN ENGINE” is the bonafide work of S.SUTHESH (17107130) S.VIGNESH (17107141) J. VIJAY (17107142) S. SHYAMSUNDAR (17107308) Who carried out the project work under my supervision.

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Submitted For End Semester phase II Viva-Voce Examination Held On.10.5.2021

DATE: 10-05-2021

PLACE: paavai

INTERNAL EXAMINER

EXTERNAL EXAMINER



**ANALYSIS IN MECHANICAL
PROPERTIES OF ALUMINIUM
HYBRID COMPOSITE**



PROJECT WORK (PHASE - II) REPORT

Submitted by

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MAY 2021

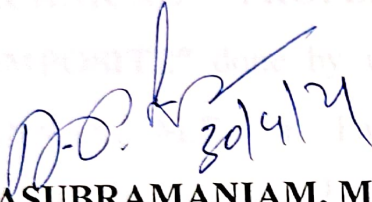
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Certified that this project report "ANALYSIS IN MECHANICAL PROPERTIES OF ALUMINIUM HYBRID COMPOSITE" is the bonafide work of RANJITH MOHAN R (17107097), SAKTHIPRIYAN S (17107102), SAMRAJ HARIHARAN A (17107105) and SANDHIYA D (17107106). Who have carried out the project work (Phase 2) under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER



DESIGN AND ANALYSIS OF SOLAR POWER BASED RECIPROCATING WATER PUMP



A PROJECT REPORT

Submitted by

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VIGNESH N	(17107140)
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Certified that this project report “**DESIGN AND ANALYSIS OF SOLAR POWER
DRIVEN RECIPROCATING WATER PUMP**” is the bonafide work of **VALLARASU R
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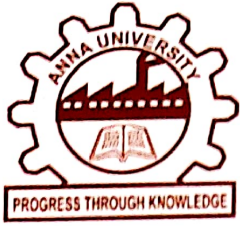
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T Sathees
30/4/21

Submitted for Project work (Phase 2) Viva-Voce Examination held on **10.5.2021**

EXTERNAL EXAMINER

EXTERNAL EXAMINER



**DESIGN AND ANALYSIS OF
INTELLIGENT BREAKING SYSTEM
USING ULTRASONIC SENSOR**



PROJECT WORK (PHASE-II) REPORT

SUMMITTED BY

TAMIL SELVAN S (17107132)

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MAY-2021

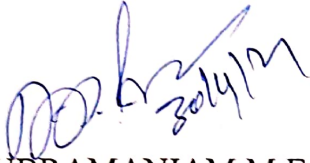
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INTERNAL EXAMINER

EXTERNAL EXAMINER



THERMAL ANALYSIS OF PISTON WITH DIFFERENT MATERIALS



PROJECT WORK (PHASE – II) REPORT

Submitted by

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MOHANA KRISHNA .S (17107501)

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MAY 2021

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INTERNAL EXAMINER

EXTERNAL EXAMINER



**PROCESS PARAMETER
OPTIMIZATION OF WEDM USING
MARAGING STEEL**



PROJECT WORK (PHASE - II) REPORT

Submitted by

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MAY 2021

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BONA FIDE CERTIFICATE

Certified that this project report "PROCESS PARAMETER OPTIMIZATION OF WEDM USING MARAGING STEEL" is the bonafide work of AMIRTHAVARSHINI M (17107003), NISHANANDHINI A (17107071) and SELVAM R (17107116). Who have carried out the project work (Phase 2) under my supervision.

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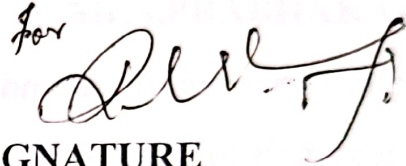
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Date: 05.11.2021

TRAINING CERTIFICATE

This is to certify that the following Mechanical Engineering students of Paavai Engineering College, Namakkal have undergone training in our plant from 04.10.2021 to 05.11.2021

During the period they have been exposed to the practical aspects of a variety of tool and a quality range of different kind of Paper Made products.

List of Students:

1. Dinesh.R
2. Suyamprakasham.M

For CKML PAPER PRODUCTS,