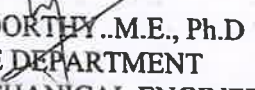



BONAFIDE CERTIFICATE

Certificate that this project report DESIGN AND FABRICATION OF AUTOMATIC BLACKBOARD CLEANING MECHANISM. Is the bonafide work of A.ABINESH(E19MER008), M.ABINESH(E19MER009), P.BALAJI(E19MER021), S.PRATHAP(E19MER068), who are carried out the project work under my Supervision.

SIGNATURE

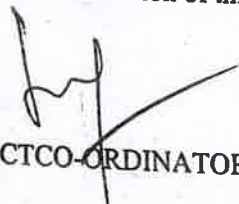

Dr.G.GURUMOORTHY..M.E., Ph.D
HEAD OF THE DEPARTMENT
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E.G.S.PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)
NAGAPATTINAM 611002.

SIGNATURE


Mr.A.ARUN KUMAR ,M.E.
PROJECT GUIDE
DEPT. OF MECHANICAL ENGINEERING
E.G.S.PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)
NAGAPATTINAM 611002.

VIVA VOCE

The viva voce examination of this project was held on.....1/6/22.....


PROJECT CO-ORDINATOR


PROJECT EVALUATOR

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certificate that this project report "DESIGN AND FABRICATION OF METAL BAR BENDING MACHINE" Is the bonafide work of H.RAGUL (E19MER073), R.RAJESH (E19MER076), P.SELVA SETTU (E19MER109), I.YASER ARAFATH (E19MER119), who are carried out the project work under my Supervision.

SIGNATURE

Dr.G.GURUMOORTHY..M.E., Ph.D

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NAGAPATTINAM 611002.

SIGNATURE

Mr.A.ARUN KUMAR ,M.E.,M.TECH.,

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VIVA VOCE

The viva voce examination of this project was held on..01.../06/.....22.....

PROJECT CO-ORDINATOR

PROJECT EVALUATOR

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

2
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certificate that this project report "DESIGN AND FABRICATION OF MINI HACKSAW POWERED BY BEAM ENGINE" Is the bonafide work of S.VASANTHAKUMAR (E19MEL309), R.S.YOGHESHWAR (E19MEL312), D.LOKESH (E19MEL305), M. MOHAMED TAHIR HUSSAIN (E19MEL307), R.PRASANNA (E19MEL308), who are carried out the project work under my Supervision.

SIGNATURE



Dr.G.GURUMOORTHY..M.E., Ph.D

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V. Sivaramakrishnan
SIGNATURE 01/6/22

Dr.V.SIVARAMAKRISHNAN,M.E.,Ph.D.

PROJECT GUIDE
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COLLEGE
(AUTONOMOUS)
NAGAPATTINAM 611002.

VIVA VOCE

The viva voce examination of this project was held on.....01/6/22.....


PROJECT CO-ORDINATOR


PROJECT EVALUATOR

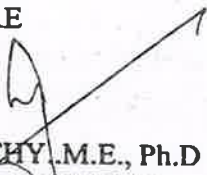
ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certificate that this project report DESIGN AND FABRICATION OF AUTOMATIC BLACKBOARD CLEANING MECHANISM. Is the bonafide work of A.ABINESH(E19MER008), M.ABINESH(E19MER009), P.BALAJI(E19MER021), S.PRATHAP(E19MER068), who are carried out the project work under my Supervision.

SIGNATURE



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NAGAPATTINAM 611002.

VIVA VOCE

The viva voce examination of this project was held on.....1/6/22.....

PROJECT CO-ORDINATOR



PROJECT EVALUATOR



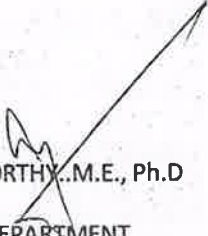
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certificate that this project report "DESIGN AND FABRICATION OF AIR PURIFIER AND HUMIDIFIER USING WATER AS A FILTER" Is the bonafide work of M. MOHAMED RASHEED(E19MEL306), T.VISHAL(E19MEL310), R. VISHNU KUMAR(E19MEL311),V. YOKESH MUTHUVEL(E19MEL313),who are carried out the project work under my Supervision.

SIGNATURE


Dr.G.GURUMOORTHY..M.E., Ph.D

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DEPT. OF MECHANICAL ENGINEERING

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NAGAPATTINAM 611002.

SIGNATURE


Mr. R. SUNDAR.M.E/M.Tech.,

PROJECT GUIDE

DEPT. OF MECHANICAL ENGINEERING


E.G.S.PILLAY ENGINEERING COLLEGE

(AUTONOMOUS)

NAGAPATTINAM 611002.

VIVA VOCE

The viva voce examination of this project was held on.....1.6.22.....


PROJECT CO-ORDINATOR


PROJECT EVALUATOR

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nadore - 611 002.

NAGAPATTINAM

BONAFIDE CERTIFICATE

Certificate that this project report "DESIGN AND FABRICATION OF METAL BAR BENDING MACHINE" Is the bonafide work of H.RAGUL (E19MER073), R.RAJESH (E19MER076), P.SELVA SETTU (E19MER109), I.YASER ARAFATH (E19MER119), who are carried out the project work under my Supervision.

SIGNATURE

Dr.G.GURUMOORTHY..M.E., Ph.D

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DEPT. OF MECHANICAL

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(AUTONOMOUS)

NAGAPATTINAM 611002.

SIGNATURE

Mr.A.ARUN KUMAR ,M.E.,

PROJECT GUIDE

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(AUTONOMOUS)

NAGAPATTINAM 611002.

VIVA VOCE

The viva voce examination of this project was held on..01..106..22.....

PROJECT CO-ORDINATOR

PROJECT EVALUATOR

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDECERTIFICATE

Certified that this project report "DESIGN AND FABRICATION OF AIR COMPRESSOR" is the bonafide work of "G.SHANMUGAVEL (E19MER093) S.SIVASEELAN (E19MER096), S.SRIDHAR(E19MER097), V.GOPI (E19MEL304)" who carried Out the project work under my supervision.

SIGNATURE



DR.G.GURUMOORTHI M.E., PhD.,

PROFESSOR AND HEAD

HEAD OF THE DEPARTMENT

DEPT OF MECHANICAL ENGINEERING,

E.G.S.PILLAY ENGINEERING COLLEGE

(AUTONOMOUS)

NAGAPATTINAM 611002

SIGNATURE



Mr.M.SUBRAMANIYAN M.TECH.,

ASSISTANT PROFESSOR

DEPT OF MECHANICAL ENGINEERING,

E.G.S.PILLAY ENGINEERING COLLEGE

(AUTONOMOUS)

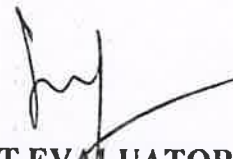
NAGAPATTINAM 611002

VIVA VOCE

The **VIVA-VOCE** examination of on **30/5/22** the project was held



PROJECT COORDINATOR



PROJECT EVALUATOR

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM.**



BONAFIDE CERTIFICATE

Certified that this project report on “DESIGN AND FABRICATION OF PNEUMATIC VICE” Is the bonafide work of “S. AMBRISH FARGAN (E19MER014), P. DHANAVENDHAN (E19MER028), J.R.K. NIMAL (E19MER063), S.MOHAMED RIYASH (E19MER055)” Who carried out the project work under my supervision.

SIGNATURE

HEAD OF THE DEPARTMENT
Dr.G.GURUMOORTHY, M.E, Ph.D.,
Professor and Head
Dept. of Mechanical Engineering,
EGS Pillay Engineering college
Nagapattinam

SIGNATURE

Mr. R. SUNDAR M.Tech., (PhD.,)
Assistant Professor
Dept. of Mechanical Engineering,
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Submitted for VIVA-VOCE examination to be held on...31/5/2022

PROJECT COORDINATOR

PROJECT EVALUATOR

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF CAM SHAFT" is the bonafide work of "BALAJI.G, KESAVAN.V, MOHAMED MOHAIDEEN.M, NEDUMARAN.K.,," who carried out the project work under my supervision.

SIGNATURE



Dr.G.GURUMOORTHI M.E., Ph.D.,

HEAD OF THE DEPARTMENT

DEPARTMENT OF MECHANICAL

ENGINEERING

E.G.S.PILLAY ENGINEERING

COLLEGE

NAGAPATTINAM 611002

SIGNATURE



G.SURENDAR,M.E.,

PROJECT GUIDE

DEPARTMENT OF MECHANICAL

ENGINEERING

E.G.S.PILLAY ENGINEERING

COLLEGE

NAGAPATTINAM 611002

VIVA VOCE

The viva voce examination of this project was held

on. ~~23.12.2021~~

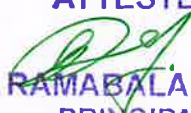


PROJECT COORDINATOR



PROJECT EVALUATOR

ATTESTED



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.




ANNA UNIVERSITY:: CHENNAI-600 025
E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
NAGAPATTINAM.


BONAFIDE CERTIFICATE

Certified that this project report on “DESIGN AND FABRICATION OF MODULAR CLAMPING VICE” is a bonafide work of RAHUL G, SUDARSHAN S, YOGESH M, YOGESH R who carried out the project work under my supervision

SIGNATURE


Dr. G. GURUMOORTHY, M.E, Ph.D.,
Professor and Head
Dept. of Mechanical Engineering,
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Nagapattinam

SIGNATURE


Dr. S. CHOCKALINGAM, M.E, Ph.D
Associate Professor
Dept. of Mechanical Engineering,
EGS Pillay Engineering college
Nagapattinam

Submitted for VIVA-VOCE examination to be held on 01/06/22.....


PROJECT COORDINATOR


PROJECT EVALUATOR

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certificate that this project report "VOICE I TELE OPERATED MOBILE INTELLIGENCE CAR Is the bonafide work M.KABILESH,B.AJAY,S.GANESH,P.ASWIN carried out the project work under my supervision

SIGNATURE.

HEAD OF THE DEPARTMENT.

Dr.G.GURUMOORTHY,ME,Ph.D.,

Professor and head.

Dept.of Mechanical Engineering,

EGS pillay Engineering college,

Nagapattinam.

SIGNATURE

SUPERVISOR

Mr.N.MANIKANDAN ME.,

Assistant professor,

Dept.of Mechanical engineering,

EGS pillay Engineering college,

Nagapattinam.

VIVA-VOCE

Submitted for VIVA-VOCE Examination to be held on 01/06/2022

PROJECT COORDINATOR

PROJECT EVALUATER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ONAFIDECERTIFICATE

certified that this project report "DESIGN AND FABRICATION OF AIR COMPRESSOR" is
the bonafide work of "G.SHANMUGAVEL (E19MER093) S.SIVASEELAN (E19MER096),
.SRIDHAR(E19MER097), V.GOPI (E19MEL304)" who carried Out the project work under my
supervision.

SIGNATURE



R.G.GURUMOORTHI M.E., PhD.,
PROFESSOR AND HEAD
HEAD OF THE DEPARTMENT
DEPT OF MECHANICAL ENGINEERING,
E.G.S.PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)
NAGAPATTINAM 611002

SIGNATURE



Mr.M.SUBRAMANIYAN M.TECH.,
ASSISTANT PROFESSOR
DEPT OF MECHANICAL ENGINEERING,
E.G.S.PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)
NAGAPATTINAM 611002

VIVA VOCE

the **VIVA-VOCE** examination of on 31/5/22 the project was held



PROJECT COORDINATOR



PROJECT EVALUATOR
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certified that this project report "**DESIGN AND FABRICATION OF FLOW THROUGH VENTURI OF A CARBURETOR**" is the bonafide work of "**D. SATHISHKUMAR (E19MER089), K. SIVABALAN, (E19MER094), T. VALLAL (E19MER105), T. VIGNESH(E19MER113).**

"who carried out the project work under my supervision.

SIGNATURE

Mr. G. GURUMOORTHY M.E., Ph.D.,

PROFESSOR,

HEAD OF THE DEPARTMENT, DEPT OF MECHANICAL ENGINEERING,
DEPT OF MECHANICAL ENGINEERING, E.G.S. PILLAY ENGINEERING COLLEGE
E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM 61100

SIGNATURE

Dr. S. CHOCKALINGAM M.E., Ph.D.,

ASSOCIATE PROFESSOR,

NAGAPATTINAM 611002

VIVA VOICE

The viva voce examination of the project was held on 01.06.2022

PROJECT COORDINATOR

PROJECT EVALUATOR

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certified that this project report "PNEUMATIC METAL SHEET BENDING MACHINE" is the bonafide work of pneumatic metal sheet bending machine "VIGNESH.M,P.UDHAYAKUMAR.P,SRIKARAN.R,PRABAKARA N.A" who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr.G.GURUMOORTHIM.E.,PhD.,
M.E., PhD,,

Dr.S.CHOCKALINGAM


HEAD OF THE DEPARTMENT
DEPT OF MECHANICAL ENGINEERING,
MECHANICAL ENGINEERING,
E.G.S.PILLAY ENGINEERING COLLEGE
ENGINEERING COLLEGE (AUTONOMOUS).
(AUTONOMOUS).
NAGAPATTINAM 611002.

ASST.PROFESSOR
DEPT OF
E.G.S.PILLAY
E.G.S.PILLAY
(AUTONOMOUS).
NAGAPATTINAM 611002.

VIVA VOCE

The viva voce examination of the project was held on.. 24/12/2021


PROJECT COORDINATOR


PROJECT EVALUATOR

ATTESTED

Dr. S. RAMABALAN, M.E., PhD.,
PRINCIPAL

E.G.S. Pillay Engineering College,

Thiruthi, Nagore - 611002

(Dt)

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF CAM VICE" is the bonafide work of "R.PRASANNA, A.SUNIL, E.NIRMAL, D.S.SELLAKUMARAN" who carried out the project work under my supervision.



SIGNATURE

Dr.G.GURUMOORTHI M.E., PhD.,

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DEPARTMENT OF MECHANICAL ENGINEERING,
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SIGNATURE

Mr.S.HARISH KIRTHI M.E.,

ASST.PROFESSOR
DEPARTMENT OF MECHANICAL ENGINEERING,
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VIVA VOCE

The viva voce examination of the project was held on. 24/12/21



PROJECT COORDINATOR



PROJECT EVALUATOR

ATTESTED
Dr. S. RAMASALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu

BONAFIDE CERTIFICATE

Certificate that this project report "DESIGN AND CAD MODELING OF MAGNETIC REPUCTION PISTON ENGINE" Is the Bonafide work of S. S HARI PRASATH V, HARI HARAN .S, R. GOKUL RAJ . Who are carried out the project work under my supervision.



SIGNATURE

Dr.G. GURUMOORTHI M.E., PhD
HEAD OF THE DEPARTMENT
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NAGAPATTINAM 611002



SIGNATURE

DR.S. CHOKALINGAM.M. E, PH. D
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(AUTONOMOUS)
NAGAPATTINAM 611002

VIVA VOCE

The viva voce examination of this project was held

on..24/12/21..



PROJECT COORDINATOR



PROJECT EVALUATOR

~~ACKNOWLEDGEMENT~~ ATTESTED

III



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF CRANE HOOK" is the bonafided work of "M.GUGAN, G.MADHAN, S.MATHAVAN, G.NAVEEN" who carried out the project work under my supervision.


SIGNATURE

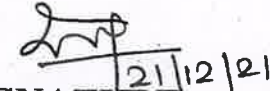
Dr.G.GURUMOOTHU, M.E.,Ph.D.

HEAD OF THE DEPARTMENT

Department of Mechanical Engineering

E.G.S Pillay Engineering College

Nagapattinam - 611002


SIGNATURE

Dr.J.JEEVAMALAR, M.E.,Ph.D.

ASSOCIATE PROFESSOR

Department of Mechanical Engineering

E.G.S Pillay Engineering College

Nagapattinam - 611002

VIVA VOCE

The viva voce examination of the project was hold on 23/12/2021


PROJECT COORDINATOR


PROJECT EVALUATOR

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

BONAFIDE CERTIFICATE

Certified that this project report "HYDRAULIC CYLINDER" is the bonafide work of "E. VENGADESH (E18MER078), A. THILOTH (E18MER077), G. VIGNESH (E18MER079), M. MURUGARAJIV (E18MER043), R. GOKULAKRISHNAN (E18MER020)" who carried out the project work under my supervision.

SIGNATURE

V. Sivaramakrishnan
SIGNATURE

22/12/2021

G. Gurumoorthi
Mr. G. GURUMOORTHY M.E., PhD.
HEAD OF THE DEPARTMENT
MECHANICAL ENGINEERING
E.G.S PILLAY ENGINEERING
COLLEGE (AUTONOMOUS)
NAGAPATTINAM 611002

Dr. V. SIVARAMAKRISHNAN
ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL ENGG
E.G.S PILLAY ENGINEERING
COLLEGE (AUTONOMOUS)
NAGAPATTINAM 611002

VIVA VOCE

The viva voce examination of the project was hold on... 23/12/2021.

G. Gurumoorthi
PROJECT COORDINATOR

S. Ramabalan
PROJECT EVALUATOR
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu.