



CREATING WEALTH
FOR WELLBEING

NLC India Limited

“NAVRATNA” - Govt. of India Enterprise

LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **ABINATH P, B.E/MECH**

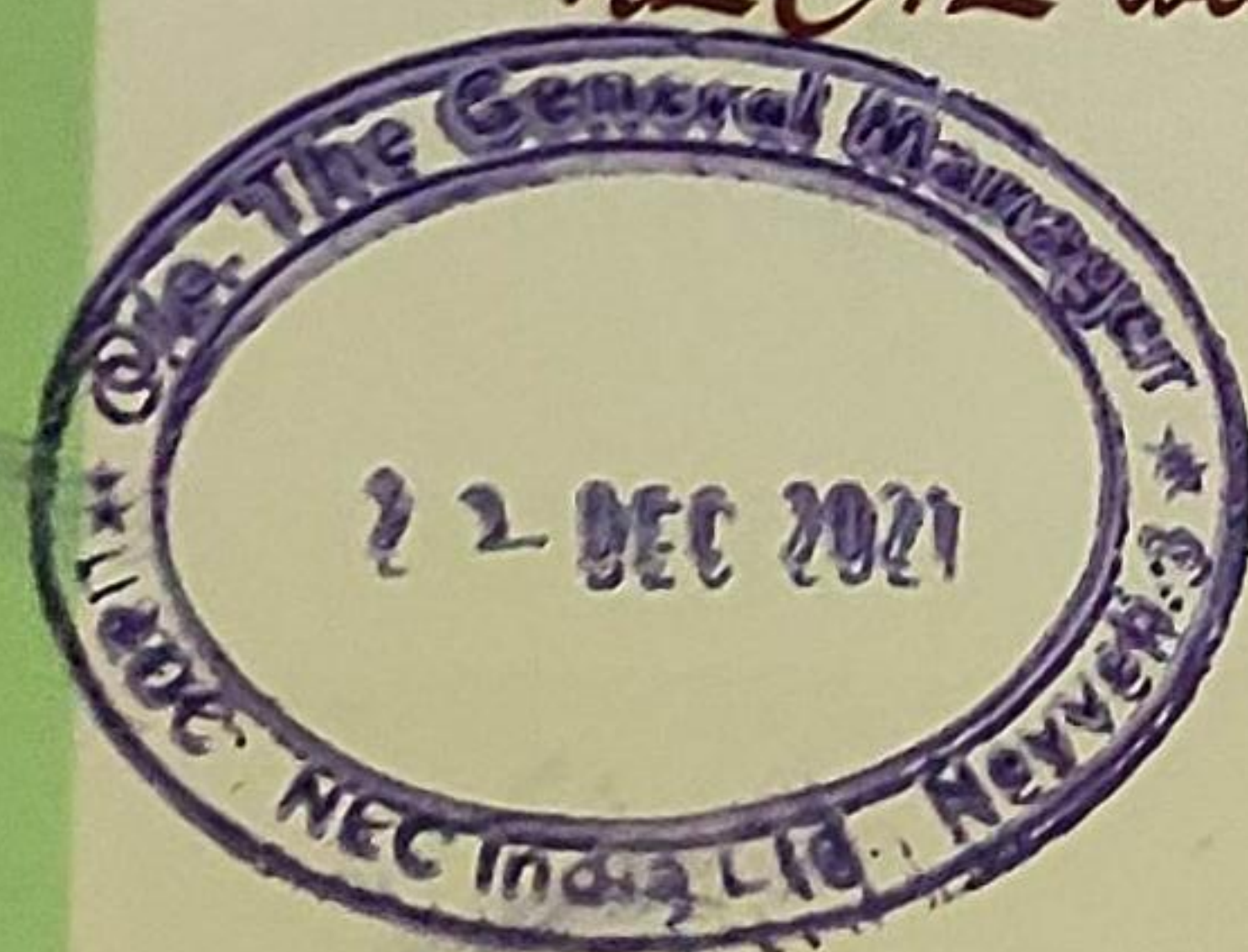
E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.

..... has undergone

Internship Training in **NLC India Limited**, Neyveli between

09.12.2021 and **22.12.2021**

NLCIL wishes him / her Success in all future endeavours.



HEAD / L&D

LEARNING & DEVELOPMENT CENTRE

“Training adding Value to Life”



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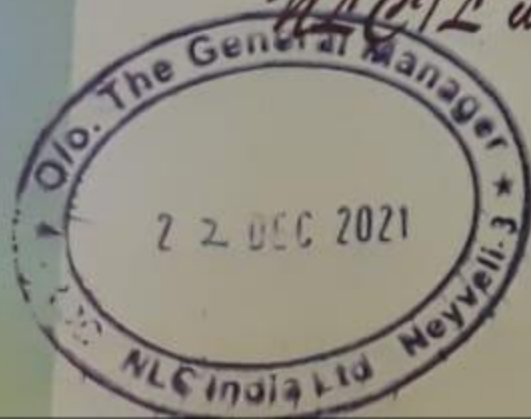
LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **ABINESH A, B.E/MECH**
E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM. has undergone
Internship Training in **NLC India Limited, Neyveli** between
09.12.2021 and **22.12.2021**

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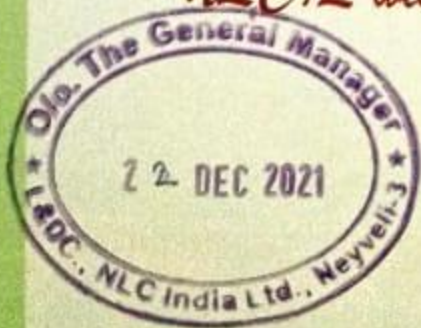
LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **SUDHARSAN K, B.E/MECH**
E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.
..... has undergone
Internship Training in **NLC India Limited**, Neyveli between
09.12.2021 and **22.12.2021**

NLCIL wishes him / her Success in all future endeavours.



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LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. SUJITH S, B.E/MECH
E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM. has undergone
Internship Training in **NLC India Limited**, Neyveli between
09.12.2021 and 22.12.2021

NLCIL wishes him / her Success in all future endeavours.



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दक्षिण रेलवे

SOUTHERN RAILWAY

कर्मशाला प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE
केंद्रीय कर्मशाला, पोनमलै / CENTRAL WORKSHOP, PONMALAI

(An ISO 9001:2000, 14001:2004, OSHAS 18001 : 2007 & EnMS 50001:2011 CERTIFIED WORKSHOP)

तिरुच्चिरापल्ली / Tiruchirappalli – 620 004

प्रमाण पत्र / CERTIFICATE

यह प्रमाणित किया जाता है कि श्री / श्रीमती / कुमारी
पुत्र / पुत्री के विद्यार्थी ने केंद्रीय
कर्मशाला, दक्षिण रेलवे, पोनमलै - 620 004 में दिनांक से तक की अवधि के दौरान
इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया ।

*This is to certify that Shri / Smt / Kum. S. ABINASH B.E. MECHL
S/o/D/o. M. SUBBAMANIAN Student of
E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from 07.03.2022 to 12.03.2022*

दिनांक / DATE 12.03.2022

P. G.
प्राचार्य / क प्र कें / पोनमलै
PRINCIPAL / WTC / GOC



प्रमाण पत्र सं : Certificate No.: 61/2022

दक्षिण रेलवे

SOUTHERN RAILWAY

प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE

पोंमलै / CENTRAL WORKSHOP, PONMALAI

(AN ISO 9001:2008, ISO 14001:2004, OSHAS 18001 : 2007 & EnMS 50001:2011 CERTIFIED WORKSHOP)

तिरुचिरापल्ली / Tiruchirappalli - 620 004

प्रमाण पत्र / CERTIFICATE

यह प्रमाणित किया जाता है कि श्री / श्रीमती / कुमारी

पुत्र / पुत्री के विद्यार्थी ने राष्ट्रीय कर्मशाला, दक्षिण रेलवे, पोंमलै - 620 004 में दिनांक से तक की अवधि के दौरान इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया।

This is to certify that Shri / Smt / Kum. S. AAKASH B.E. MECH.

S/o/D/o. J. SENTHIL Student of

E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.

has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004 during the period from 04.04.2022 to 09.04.2022

[Signature]

प्राचार्य / क प्र कें / पोंमलै

PRINCIPAL / WTC / CWC

दिनांक / DATE 09.04.2022

Samsung Quad Camera
Áākāsh Sēnthil



प्रमाण पत्र सं : Certificate No.: 62/2022

दक्षिण रेलवे
SOUTHERN RAILWAY

कर्मशाला प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE
केंद्रीय कर्मशाला, पोनमलै / CENTRAL WORKSHOP, PONMALAI

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तिरुच्चिराप्पल्लि / Tiruchirappalli – 620 004

प्रमाण पत्र / CERTIFICATE

यह प्रमाणित किया जाता है कि श्री / श्रीमती / कुमारी
पुत्र / पुत्री के विद्यार्थी ने केंद्रीय
कर्मशाला, दक्षिण रेलवे, पोनमलै - 620 004 में दिनांक से तक की अवधि के दौरान
इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया ।

*This is to certify that Shri / Smt / Kum. A. GOKUL RAJ B.E. MECHL
S/o/D/o S. ANANDAN Student of
E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from 04.04.2022 to 09.04.2022*

Amritham.

प्राचार्य / क प्र कें / पोनमलै
PRINCIPAL / WTC / GOC

दिनांक / DATE 09.04.2022



प्रमाण पत्र सं : Certificate No.: 63/2022

दक्षिण रेलवे

SOUTHERN RAILWAY

कर्मशाला प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE
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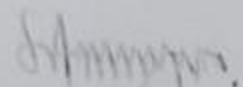
तिरुच्चिरापल्ली / Tiruchirappalli – 620 004

प्रमाण पत्र / CERTIFICATE

यह प्रमाणित किया जाता है कि श्री / श्रीमती / कुमारी
पुत्र / पुत्री के विद्यार्थी ने केंद्रीय
कर्मशाला, दक्षिण रेलवे, पोनमलै - 620 004 में दिनांक से तक की अवधि के दौरान
इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया ।

This is to certify that Shri / Smt / Kum. R. GOWDHAM B.E. MECH. Student of T. RAJAMANICKAM EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004 during the period from 04.04.2022 to 09.04.2022.

दिनांक / DATE 09.04.2022.


प्राचार्य / क प्र कें / पोनमलै
PRINCIPAL / WTC / GOC

दक्षिण रेलवे

SOUTHERN RAILWAY

कर्मशाला प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE

केंद्रीय कर्मशाला, पोनमलै / CENTRAL WORKSHOP, PONMALAI

(An ISO 9001:2000, 14001:2004, OSHAS 18001 : 2007 & EnMS 50001:2011 CERTIFIED WORKSHOP)

तिरुच्चिरापल्लि / Tiruchirappalli – 620 004

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इन-प्लॉन्ट / इंटरनेशिप प्रशिक्षण प्राप्त किया ।

*This is to certify that Shri / Smt / Kum. R. ABDHUL HADHI B.E. MECHL
S/o/D/o. L. RAHEEM HUSSAIN Student of
F.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from 07.03.2022 to 12.03.2022*

दिनांक / DATE 12.03.2022.

प्राचार्य / क प्र कें / पोनमलै

PRINCIPAL / WTC / GOC



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SOUTHERN RAILWAY

कर्मशाला प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE
केंद्रीय कर्मशाला, पोनमलै / CENTRAL WORKSHOP, PONMALAI

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तिरुच्चिरापल्ली / Tiruchirappalli – 620 004

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इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया ।

This is to certify that Shri / Smt / Kum. _____ S. HARIHARAN _____ B.E. MECH _____
S/o/D/o. _____ P. SABAVANA KUMAR _____ *Student of* _____
_____ E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM. _____
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from _____ 07.03.2022 _____ *to* _____ 12.03.2022 _____

P. G.

प्राचार्य / क प्र कें / पोनमलै

PRINCIPAL / WTC / GOC

दिनांक / DATE 12.03.2022.



दक्षिण रेलवे

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इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया ।

*This is to certify that Shri / Smt / Kum. G. JANAKI RAMAN B.E. MECHL.
S/o/D/o. R. GOVINDHA RAJAN. Student of
EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from 04.04.2022 to 09.04.2022*

[Signature]
प्राचार्य / क प्र कें / पोनमलै
PRINCIPAL / WTC / GOC

दिनांक / DATE 09.04.2022.



प्रमाण पत्र सं : Certificate No.: 40/2022

दक्षिण रेलवे

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केंद्रीय कर्मशाला, पोनमलै / CENTRAL WORKSHOP, PONMALAI

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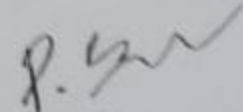
तिरुच्चिरापल्ली / Tiruchirappalli – 620 004

प्रमाण पत्र / CERTIFICATE

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इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया ।

*This is to certify that Shri / Smt / Kum. A. JAYRAM PRAKASH B.E. MECHL
S/o/D/o V. AMBALAVANAN Student of
E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from 07.03.2022 to 12.03.2022*

दिनांक / DATE 12.03.2022.


प्राचार्य / क प्र कें / पोनमलै
PRINCIPAL / WTC / GOC



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SOUTHERN RAILWAY

कर्मशाला प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE
केंद्रीय कर्मशाला, पोन्मलै / CENTRAL WORKSHOP, PONMALAI

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इन-प्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया ।

*This is to certify that Shri / Smt / Kum. K. KAMALESH B.E. MECH.
S/o/D/o. M. KARUNAKARAN Student of
E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from 07.03.2022 to 12.03.2022*

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P. S.
प्राचार्य / क प्र कें / पोन्मलै

PRINCIPAL / WTC / GOC



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SOUTHERN RAILWAY

कर्मशाला प्रशिक्षण केंद्र / WORKSHOP TRAINING CENTRE
केन्द्रीय कर्मशाला, पोनमलै / CENTRAL WORKSHOP, PONMALAI

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इन्फ्लॉन्ट / इंटरनशिप प्रशिक्षण प्राप्त किया।

*This is to certify that Shri / Smt / Kum. V. VI SHAL B.K. MESHU
S/o/D/a V. VI JAYENDRAN Student of
E.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
has undergone In-plant / Internship Training in Central Workshop, Southern Railway, Ponmalai - 620 004
during the period from 04.04.2022 to 09.04.2022*

[Signature]
प्राचार्य / क प्र के / पोनमलै
PRINCIPAL / WTC / GOC

दिनांक / DATE 09.04.2022

TAMILNADU STATE TRANSPORT CORPORATION
(KUMBAKONAM) LIMITED, KUMBAKONAM.

(A Government of Tamilnadu undertaking)

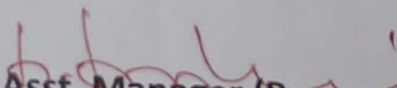
Regd. & Corporate Office :
27, Railway Station New Road,
Kumbakonam - 612 001.

Telephone;(0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN R.AJEETH, B.E (MECHANICAL ENGINEERING) – FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE, (Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT KUMBAKONAM FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

**TAMILNADU STATE TRANSPORT CORPORATION
(KUMBAKONAM) LIMITED, KUMBAKONAM.**

(A Government of Tamilnadu undertaking)

Regd. & Corporate Office :
27, Railway Station New Road,
Kumbakonam - 612 001.

Telephone; (0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN S.BALAJI, B.E (MECHANICAL ENGINEERING) – FINAL YEAR
STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE, (Autonomous)
Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT KUMBAKONAM
FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

TAMILNADU STATE TRANSPORT CORPORATION (KUMBAKONAM) LIMITED, KUMBAKONAM.

(A Government of Tamilnadu undertaking)

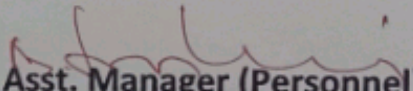
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Kumbakonam - 612 001.

Telephone:(0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN V.BHARANIDHARAN, B.E (MECHANICAL ENGINEERING) -
FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE,
(Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT
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For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

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(KUMBAKONAM) LIMITED, KUMBAKONAM.

Regd. & Corporate Office :
27, Railway Station New Road,
Kumbakonam - 612 001.


(A Government of Tamilnadu undertaking)

Telephone; (0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN R.DEVARAJAN, B.E (MECHANICAL ENGINEERING) – FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE, (Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT KUMBAKONAM FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

TAMILNADU STATE TRANSPORT CORPORATION (KUMBAKONAM) LIMITED, KUMBAKONAM.

(A Government of Tamilnadu undertaking)


Regd. & Corporate Office :
27, Railway Station New Road,
Kumbakonam - 612 001.

Telephone: (0435) - 2403724-25-26
Fax : (0435) - 2403727
E-Mail : tntstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN R.DINESH, B.E (MECHANICAL ENGINEERING) - FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE, (Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT KUMBAKONAM FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

TAMILNADU STATE TRANSPORT CORPORATION

(KUMBAKONAM) LIMITED, KUMBAKONAM.

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Regd. & Corporate Office :
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Kumbakonam - 612 001.

Telephone:(0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN J.AJAY, B.E (MECHANICAL ENGINEERING) – FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE, (Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT KUMBAKONAM FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021



TAMILNADU STATE TRANSPORT CORPORATION

(KUMBAKONAM) LIMITED, KUMBAKONAM.

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Telephone:(0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN S.ARUN, B.E (MECHANICAL ENGINEERING) – FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE, (Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT KUMBAKONAM FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

TAMILNADU STATE TRANSPORT CORPORATION

(KUMBAKONAM) LIMITED, KUMBAKONAM.

(A Government of Tamilnadu undertaking)

Regd. & Corporate Office :
27, Railway Station New Road,
Kumbakonam - 612 001.

Telephone:(0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN S.MATHESKANNA, B.E (MECHANICAL ENGINEERING) – FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE, (Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT KUMBAKONAM FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

TAMILNADU STATE TRANSPORT CORPORATION

(KUMBAKONAM) LIMITED, KUMBAKONAM.

(A Government of Tamilnadu undertaking)


Regd. & Corporate Office :
27, Railway Station New Road,
Kumbakonam - 612 001.

Telephone:(0435) - 2403724-25-26
Fax : (0435) - 2403727
E.Mail : tnstckum@gmail.com

CERTIFICATE

CERTIFIED THAT SELVAN V.VISWANATHAN, B.E (MECHANICAL ENGINEERING) -
FINAL YEAR STUDENT OF THE E.G.S. PILLAY ENGINEERING COLLEGE,
(Autonomous) Nagapattinam. UNDERGONE INPLANT TRAINING AT OUR R.C.UNIT
KUMBAKONAM FROM 14.12.2021 TO 18.12.2021

For TAMILNADU STATE TRANSPORT
CORPORATION (KUM) LTD.,
KUMBAKONAM


Asst. Manager (Personnel)

PLACE : KUMBAKONAM

DATE 20.12.2021

ULTIMAK MACHINERY TOOL PRIVATE LIMITED

NO: 51/52, BRAHMIN STREET, SIDCO INDL ESTATE,
PATTARAVAKKAM, AMBATTUR.
CHENNAI -600098.

Ph. No: 76671 06059, 89032 40982

CIN: U35990TN2019PTC126668

Date : 15/12/2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. ALDRIN LEO student of "EGS PILLAY ENGINEERING COLLEGE, has successfully completed Internship in the field of production and other Activities from 3/12/2021 to 14/12/2021.

During the period of his Internship Program with us. He had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish him every success in his life and carrier.

For ULTIMAK MACHINERY TOOL PVT. LTD.

P. Balakrishnan
Authorized Signatory

ULTIMAK MACHINERY TOOL PRIVATE LIMITED

NO: 51/52, BRAHMIN STREET, SIDCO INDL ESTATE,
PATTARAVAKKAM, AMBATTUR. -
CHENNAI -600098.

Ph. No: 76671 06059, 89032 40982
CIN: U35990TN2019PTC126668

Date : 15/12/2021


TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. K. SARAN student of "EGS PILLAY ENGINEERING COLLEGE, has successfully completed Internship in the field of production and other Activities from 3/12/2021 to 14/12/2021.

During the period of his Internship Program with us. He had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish him every success in his life and carrier.

For ULTIMAK MACHINERY TOOL PVT. LTD.


Author: Arinath
Signatory

ULTIMAK MACHINERY TOOL PRIVATE LIMITED

NO: 51/52, BRAHMIN STREET, SIDCO INDL ESTATE,
PATTARAVAKKAM, AMBATTUR,
CHENNAI -600098.

Ph. No: 76671 06059, 89032 40982

CIN: U35990TN2019PTC126668

Date : 15/12/2021

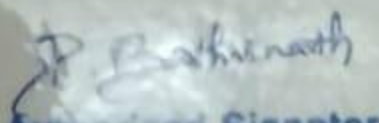
TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. K. VISHWAS** student of "EGS PILLAY ENGINEERING COLLEGE, has successfully completed Internship in the field of production and other Activities from **3/12/2021 to 14/12/2021**.

During the period of his Internship Program with us. He had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish him every success in his life and carrier.

For ULTIMAK MACHINERY TOOL PVT. LTD.


Authorized Signatory

ULTIMAK MACHINERY TOOL PRIVATE LIMITED

NO: 51/52, BRAHMIN STREET, SIDCO INDL ESTATE,
PATTARAVAKKAM, AMBATTUR.
CHENNAI -600098.

Ph. No: 76671 06059, 89032 40982
CIN: U35990TN2019PTC126668

Date : 15/12/2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. K. SANTHOSH** student of "EGS PILLAY ENGINEERING COLLEGE, has successfully completed Internship in the field of production and other Activities from **3/12/2021 to 14/12/2021**.

During the period of his Internship Program with us. He had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish him every success in his life and carrier.

For ULTIMAK MACHINERY TOOL PVT. LTD.

S.P. Krishnan

Authorized Signatory

MANUFACTURE AND SUPPLIER OF ENDMILLS, BALLNOSE, CARBIDE BORES, TAPS,
SAWS, MILLING CUTTERS, FORM TOOLS, CUSTOM TOOLS, FLAT AND RADIUS HOBS.

ULTIMAK MACHINERY TOOL PRIVATE LIMITED

NO: 51/52, BRAHMIN STREET, SIDCO INDL ESTATE,
PATTARAVAKKAM, AMBATTUR.
CHENNAI -600098.

Ph. No: 76671 06059, 89032 40982

CIN: U35990TN2019PTC126668

Date : 15/12/2021

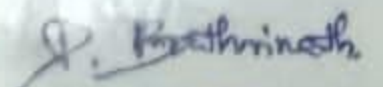
TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. K. NANDHA KUMAR student of "EGS PILLAY ENGINEERING COLLEGE, has successfully completed Internship in the field of production and other Activities from 3/12/2021 to 14/12/2021.

During the period of his Internship Program with us. He had been exposed to different processes and was found diligent, hardworking and inquisitive.

We wish him every success in his life and carrier.

For ULTIMAK MACHINERY TOOL PVT. LTD.


Authorized Signatory

MANUFACTURE AND SUPPLIER OF ENDMILLS, BALLNOSE, CARBIDE ENDMILLS, TAPS,
SAWS, MILLING CUTTERS, FORM TOOLS, CUSTOM TOOLS, FLAT END MILLS, (SLOTS)

Certificate No PS-APSSDC-INTERN.EV2.0-0095



CERTIFICATE OF INTERNSHIP



NAME Mr.Nithiya Karan

COLLEGE EGS PILLAY ENGINEERING COLLEGE , ANNA UNIVERSITY (AUTONOMOUS)

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

A handwritten signature in blue ink, appearing to read 'Ravi Gujala'.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink, appearing to read 'Rama Koti Reddy'.

Prof. Rama Koti Reddy
Executive Director
APSSDC

A handwritten signature in blue ink, appearing to read 'N Bangara Raju'.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink, appearing to read 'M. Malaiappan'.

M.Malaiappan
Director
Pantech e Learning



C.No: AVDA0417

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. B.PARTHASARATHY [E18MER052]

Has Successfully Completed INTERNSHIP Training Program
in "DESIGN AND ANALYSIS"

During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



S.L.L.L.
Director

[Signature]
Technical Head



C.No: AUDA0420

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. R. PRAGADHESHWARAN [E18MEL328]

Has Successfully Completed INTERNSHIP Training Program

in "DESIGN AND ANALYSIS"

During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



S. S. L. L.
Director

[Signature]
Technical Head

Certificate No PS-APSSDC-INTERN.EV2.0-0571



CERTIFICATE OF INTERNSHIP



NAME Mr.PRAKASH M

COLLEGE E. G. S. PILLAY ENGINEERING COLLEGE

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

A handwritten signature in blue ink.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink.

Prof. Rama Koti Reddy
Executive Director
APSSDC

A handwritten signature in blue ink.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink.

M.Malaiappan
Director
Pantech e Learning



C.No: AUDA0427

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. D. RAJESH [E18MER059]

Has Successfully Completed INTERNSHIP Training Program

in "DESIGN AND ANALYSIS"

During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



S.K.L.L.
Director

[Signature]
Technical Head

Certificate No PS-APSSDC-INTERN.EV2.0-1097



SKILL AP
APSSDC



CERTIFICATE
OF INTERNSHIP

PANTECH SOLUTIONS
Technology Beyond The Dreams

NAME Mr.RANJITH R

COLLEGE EGS PILLAY ENGINEERING COLLEGE NAGAPATTINAM

has Successfully Completed

MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

Dr. Bani Sujala
Chief General Manager (Technical)
APSSDC

Prof. Rama Kani Reddy
Executive Director
APSSDC

N. Rangam Raju
Managing Director
APSSDC

M. Mahalingam
Director
Pantech e Learning

Certificate No PS-APSSDC-INTERN.EV2.0-1097



CERTIFICATE OF INTERNSHIP



NAME Mr.RANJITH R

COLLEGE EGS PILLAY ENGINEERING COLLEGE NAGAPATTINAM

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

Prof. Rama Koti Reddy
Executive Director
APSSDC

N Bangara Raju
Managing Director
APSSDC

M. Malaiappan
Director
Pantech e Learning

Certificate No PS-APSSDC-INTERN.EV2.0-0906



CERTIFICATE OF INTERNSHIP



NAME Mr.Rethinakumar G

COLLEGE E.G.S.PILLAY ENGINEERING COLLEGE NAGAPATTINAM

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

A handwritten signature in blue ink.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink.

Prof. Rama Koti Reddy
Executive Director
APSSDC

A handwritten signature in blue ink.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink.

M.Malaiappan
Director
Pantech e Learning



C.No: AUDAO 471

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. S. SURIYA [E18MER074]

Has Successfully Completed INTERNSHIP Training Program

in " DESIGN AND ANALYSIS "

During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



N. Srinivas
Director

[Signature]
Technical Head



C.No: AUDA 0425

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. S. SARAVANAN [E18MER063]

Has Successfully Completed INTERNSHIP Training Program
in "DESIGN AND ANALYSIS"
During 22-08-2021 to 22-09-2021

Congratulations on a job well done!

Awarded this

S. S. L.
Director



[Signature]
Technical Head

Certificate No PS-APSSDC-INTERN.EV2.0-1095



CERTIFICATE OF INTERNSHIP

NAME Mr.Sathiyan R

COLLEGE EGS PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

Prof. Rama Koti Reddy
Executive Director
APSSDC

N Bangara Raju
Managing Director
APSSDC

M. Malaiappan
Director
Pantech e Learning



C.No: AVDA0421

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. M. MOHAMED SHARUHAN [E18MEL323]

Has Successfully Completed INTERNSHIP Training Program

in "DESIGN AND ANALYSIS"

During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



S. R. L. L.
Director

[Signature]
Technical Head



C.No: AUDA 0419

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. K. SOORIYA PRAGASH [E18MER068]

Has Successfully Completed INTERNSHIP Training Program

in "DESIGN AND ANALYSIS"

During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this

S.S.L.
Director



[Signature]
Technical Head

Certificate No PS-APSSDC-INTERN.EV2.0-0831



CERTIFICATE OF INTERNSHIP


NAME Mr.Syed Rashid

COLLEGE E.G.S PILLAY ENGINEERING COLLEGE

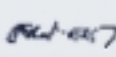
**has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)**

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021To SEP 21,2021


Mr. S. S. Srinivasan
Executive Director
APSSDC


Mr. S. S. Srinivasan
Executive Director
APSSDC


Mr. S. S. Srinivasan
Executive Director
APSSDC


Mr. S. S. Srinivasan
Executive Director
APSSDC



C.No: AUDA0415

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. P.VIMAL RAJ [E18MER083]

Has Successfully Completed INTERNSHIP Training Program
in "DESIGN AND ANALYSIS"
During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



S.S.L.L.
Director

[Signature]
Technical Head



C.No: AUDA0416

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. P.VINOTHKUMAR [E18MER087]

Has Successfully Completed INTERNSHIP Training Program
in "DESIGN AND ANALYSIS"
During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



S. S. L. L.
Director

[Signature]
Technical Head

Certificate No PS-APSSDC-INTERN.EV2.0-0042



CERTIFICATE OF INTERNSHIP

NAME Mr.Viswanathan V

COLLEGE EGS PILLAY ENGINEERING COLLEGE

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

Prof. Rama Koti Reddy
Executive Director
APSSDC

N Bangara Raju
Managing Director
APSSDC

M. Malaiappan
Director
Pantech e Learning

Certificate No PS-APSSDC-INTERN.EV2.0-0091



CERTIFICATE OF INTERNSHIP

NAME Mr. Balaji S

COLLEGE E.G.S.PILLAY ENGINEERING COLLEGE ANNA UNIVERSITY (AUTONOMOUS)

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021 **To** SEP 21,2021

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

Prof. Rama Koti Reddy
Executive Director
APSSDC

N Bangara Raju
Managing Director
APSSDC

M. Malaiappan
Director
Pantech e Learning

Certificate No PS-APSSDC-INTERN.EV2.0-0814



CERTIFICATE OF INTERNSHIP

NAME Mr.Barath L

COLLEGE EGS PILLAY ENGINEERING COLLEGE

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021To SEP 21,2021

A handwritten signature in blue ink.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink.

Prof. Rama Koti Reddy
Executive Director
APSSDC

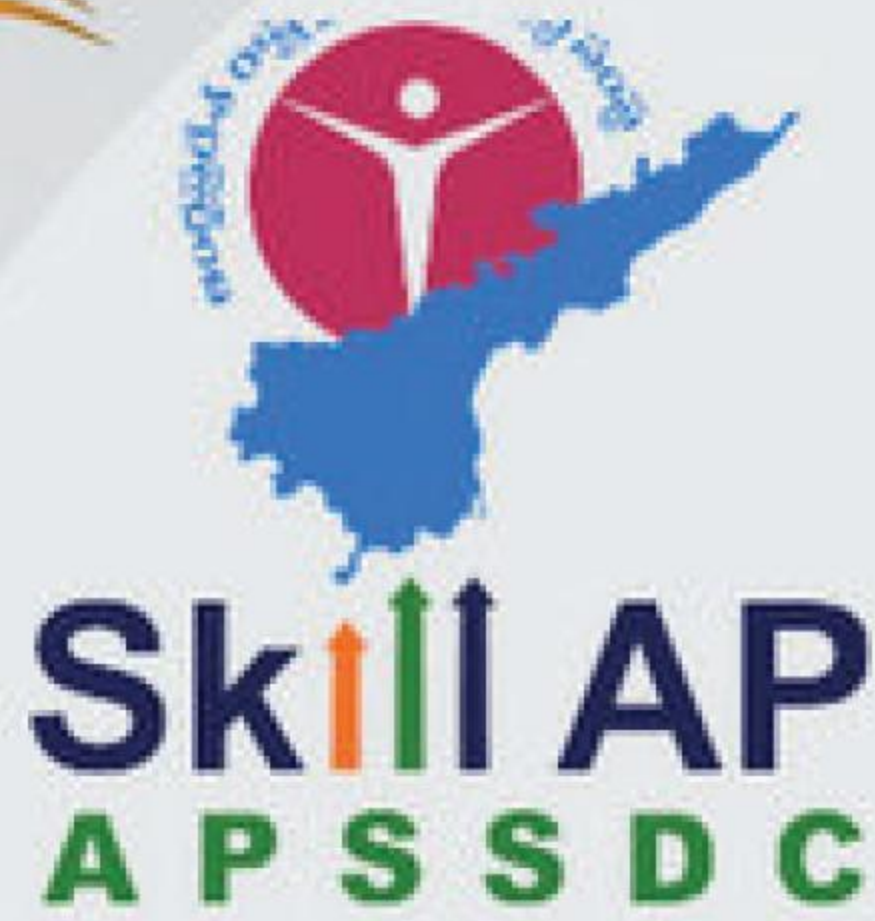
A handwritten signature in blue ink.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink.

M. Malaiappan
Director
Pantech e Learning

Certificate No PS-APSSDC-INTERN.EV2.0-0645



CERTIFICATE OF INTERNSHIP



NAME Mr.HARISH S

COLLEGE EGSPILLAI ENGINEERING COLLEGE

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

A handwritten signature in blue ink.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink.

Prof. Rama Koti Reddy
Executive Director
APSSDC

A handwritten signature in blue ink.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink.

M.Malaiappan
Director
Pantech e Learning



C.No: AUDA 0418

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. J. JEGHAN [E18MERO30]

Has Successfully Completed INTERNSHIP Training Program
in "DESIGN AND ANALYSIS"
During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this



S.S.L.L.
Director

[Signature]
Technical Head



C.No: AUDA0422

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. P.JENITHKUMAR [E18MER031]

Has Successfully Completed INTERNSHIP Training Program
in "DESIGN AND ANALYSIS"
During 22-08-2021 to 22-09-2021.

Congratulations on a job well done!

Awarded this

S.S.Li.
Director



[Signature]
Technical Head

Certificate No PS-APSSDC-INTERN.EV2.0-0573



CERTIFICATE OF INTERNSHIP

NAME Mr.LOGESHWAR M

COLLEGE E.G.S.PILLAY ENGINEERING COLLEGE, NAGAPATTINAM.

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

Prof. Rama Koti Reddy
Executive Director
APSSDC

N Bangara Raju
Managing Director
APSSDC

M. Malaiappan
Director
Pantech e Learning

Certificate No PS-APSSDC-INTERN.EV2.0-0090



CERTIFICATE OF INTERNSHIP



NAME Mr.Mathes Kanna

COLLEGE E.G.S.PILLAY ENGINEERING COLLEGE

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

A handwritten signature in blue ink.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink.

Prof. Rama Koti Reddy
Executive Director
APSSDC

A handwritten signature in blue ink.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink.

M.Malaiappan
Director
Pantech e Learning

Certificate No PS-APSSDC-INTERN.EV2.0-0913



CERTIFICATE OF INTERNSHIP



NAME Mr.A.MOHAMED ABDUL RAHMAN

COLLEGE E G S PILLAY ENGINEERING COLLEGE

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

A handwritten signature in blue ink.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink.

Prof. Rama Koti Reddy
Executive Director
APSSDC

A handwritten signature in blue ink.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink.

M.Malaiappan
Director
Pantech e Learning



C.No: MACAT029

CERTIFICATE OF COMPLETION

This certificate is presented to

Mr./Ms. M. MOHAMED MOHAIDEEN [E18MER041]

Has Successfully Completed INTERNSHIP Training Program
in "CATIA [23]-MARK"

During 03-05-2021 to 07-06-2021 [38 hrs]

Congratulations on a job well done!

Awarded this



N. Srinivas
Director

R. Srinivas
Technical Head

Certificate No PS-APSSDC-INTERN.EV2.0-0089



CERTIFICATE OF INTERNSHIP



NAME Mr.Mugesh A

COLLEGE EGS PILLAY ENGINEERING COLLEGE , ANNA UNIVERSITY(AUTONOMOUS)

has Successfully Completed
MASTER CLASS ON EV DESIGN USING MATLAB(30 DAYS)

at Pantech e Learning Pvt Ltd, Chennai

From AUG 23,2021**To** SEP 21,2021

A handwritten signature in blue ink, appearing to read 'Ravi Gujala'.

Dr. Ravi Gujala
Chief General Manager (Technical)
APSSDC

A handwritten signature in blue ink, appearing to read 'Rama Koti Reddy'.

Prof. Rama Koti Reddy
Executive Director
APSSDC

A handwritten signature in blue ink, appearing to read 'N Bangara Raju'.

N Bangara Raju
Managing Director
APSSDC

A handwritten signature in blue ink, appearing to read 'M. Malaiappan'.

M.Malaiappan
Director
Pantech e Learning

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report titled "DEVELOPMENT AND CHARACTERIZATION OF MAGNESIUM AND COCONUT SHELL ASH COMPOSITES" is the bonafide work of Mr. JOEL.R (E20MFF004) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



Dr.S. KRISHNA MOHAN, M.E., Ph.D.,

Professor and Head-Manufacturing Engineering

E.G.S. Pillay Engineering college

Nagapattinam-611002



Dr.S. KRISHNA MOHAN, M.E., Ph.D.,

Professor

Department of mechanical engineering

E.G.S. Pillay Engineering college

Nagapattinam-611002

Submitted for the Viva voce Examination held on 12-07-2022



INTERNAL EXAMINER

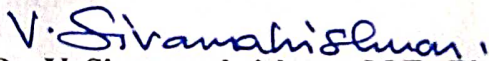


EXTERNAL EXAMINER

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report titled "EVALUATION OF PROCESS PARAMETERS IN FRICTION WELDING WITH USES OF SIMILAR ALLOYS" is the bonafide work of Mr. B. KOVARASAN (E20MFF005) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

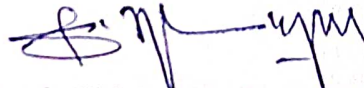


Dr. V. Sivaramakrishnan, M.E., Ph.D

PG, Manufacturing Engineering

Professor

Department of Mechanical Engg,
E.G.S. Pillay Engineering College
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Dr. S. Krishna Mohan, M.E., Ph.D

PG, Manufacturing Engineering

Professor & Head

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Nagapattinam.

Submitted for the Viva voce Examination held on 12-07-2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report titled "ANALYSIS OF STABILITY IN BORING BAR USING PARTICLES DAMPING" is the Bonafide work of Mr.MADHARASAN. Y (E20MFF006) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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

PG, Manufacutring engineering

Associate Professor

Department of Mechanical Engineering E.G.S.
Pillay Engineering College Nagapattinam


Dr. S.KRISHANA MOHAN, M.E., Ph.D

PG, Manufacturing engineering

Professor and Head

Department of Mechanical Engineering
E.G.S.Pillay Engineering college
Nagapattinam

Submitted for the Viva voce Examination held on 12-07-2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report titled "INVESTIGATION OF BORING BAR USING COPPER & MILD STEEL GRANULAR PARTICLES" is the bonafide work of Mr. RAM KUMAR.T (E20MFF007) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

GUIDE

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

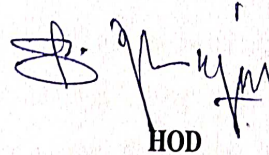
PG (Manufacturing Engineering)

Professor and HOD

Department of Mechanical Engineering

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Nagapattinam.



HOD

Dr.S. KRISHNA MOHAN, M.E., Ph.D.,

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Submitted for the Viva voce Examination held on 12/07/2022



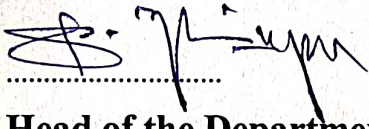
INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this Thesis titled "SYNTHESIS AND CHARACTERIZATION OF BAMBOO FIBRE REINFORCED POLYMER COMPOSITE" is the bonafidework of VENKATESH.N (E20MFF008) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier on this or any other candidate.

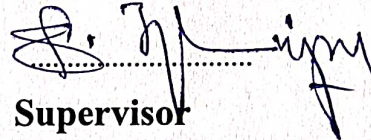


Head of the Department
Dr. S. KRISHNA MOHAN, M.E., Ph.D.,

Head - Manufacturing Engineering

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Nagapattinam - 611002.



Supervisor
Dr. S.KRISHNA MOHAN, M.E., Ph.D.,

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Submitted for Project phase II viva-voce Examination held on 12.07.2022



Internal Examiner



External Examiner

ANNA UNIVERSITY, CHENNAI**BONAFIDE CERTIFICATE**

Certified that this project report titled “**INFLUENCING OF PROCESS PARAMETER IN FRICTION WELDING WITH USES OF DISSIMILAR ALLOYS**” is the bonafide work of **Mr. P. ARUN (E20MFF003)** who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


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

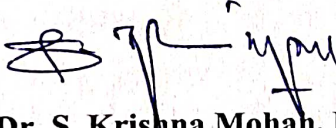
PG, Manufacturing Engineering

Professor,

Department of Mechanical Engg,

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Dr. S. Krishna Mohan, M.E., Ph.D

PG, Manufacturing Engineering

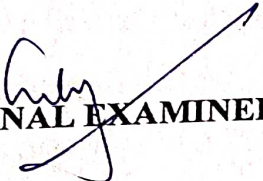
Professor & Head of

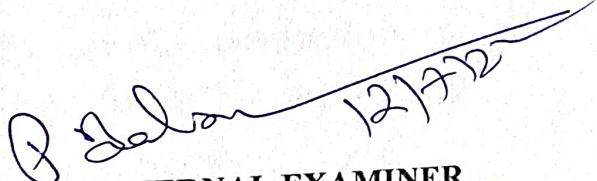
M.E. Manufacturing Engg,

E.G.S. Pillay Engineering College

Nagapattinam.

Submitted for the Viva voce Examination held on 12-07-2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report titled "EXPERIMENTAL INVESTIGATION AND ANALYSIS ON ELECTRO CHEMICAL DRILLING PROCESS" is the bonafide work of Mr. ARAVINTH KUMAR B (E20MFF002) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



Dr. N. RAMANUJA M M. Tech., Ph.D.,

Professor

Department of Mechanical Engineering

E.G.S.Pillay Engineering College

Nagapattinam.



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

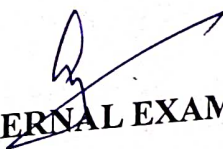
Professor and HOD

Department of Mechanical Engineering

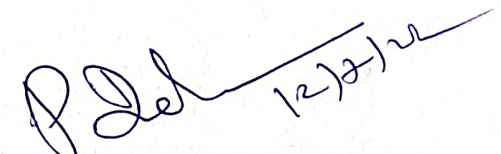
E.G.S.Pillay Engineering College

Nagapattinam.

Submitted for the Viva voce Examination held on 12.07.2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "HIGH TEMPERATURE OXIDATION BEHAVIOUR OF POWER PLANT MATERIAL 309 IN AIR ENVIRONMENT AT 850°C " is the bonafide to the work of " P.ARAVINDHASAMY " who carried out the project work under my supervision.


SIGNATURE

Dr. G. GURUMOORTHY M.E., Ph.D
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NAGAPATTINAM -611002

ANNA UNIVERSITY, CHENNAI

BONAFIDE CERTIFICATE

Certified that this project report titled "EXPERIMENTAL INVESTIGATION OF HIGH TEMPERATURE OXIDATION BEHAVIOUR OF THE INCONEL MATERIAL" is the bonafide work of Mr. VIGNESHVARAN.V.G (E20MFF009) who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form part of any thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


GUIDE

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

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HOD

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Submitted for the Viva voce Examination held on 12.07.2012


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "ANALYSIS OF ELECTROMAGNETIC BRAKING SYSTEM" is the bonafide work of "MATHES KANNA S, MOHAMED FIRTHOUS F, MUGESH A, THIYAGESH K " 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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Dr.S.CHOCKALINGAM.E.,PhD.,

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VIVA VOCE

The viva voce examination of the project was hold on...2.06.2022...



INTERNAL EXAMINER



EXTERNA EXAMINER

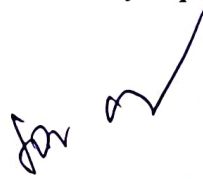
BONAFIDE CERTIFICATE

Certificate that this project report "EVALUATION OF MECHANICAL BEHAVIOUR OF ALUMINIUM METAL MATRIX COMPOSITE (Al+SiC+Zn)" is the bonafide work of "J.JEGHAN (E18MER030), J.MOHAMED IMRAN (E18MER040), P.VIMAL RAJ (E18MER083), P.VINOTHKUMAR (E18MER087)". Who are carried out the project work under my supervision.



SIGNATURE

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

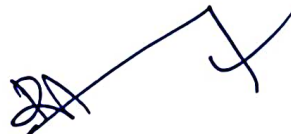
VIVA VOCE

The viva voce examination of the project was hold on

..02.06.2022..



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "FABRICATION OF AUTOMATIC ELECTRO
MANGNETICCLUTCH"Is the bonfide work of
ADINESH.T(E18MER005),GOKUL RAJ.R,(E18MER0021),HARIPRASATH.T
(E18MER026),HARI PRASATH.V (E18MER027) who carried out the project work
under mysupervision.



SIGNATURE

Dr.G.GURUMOORTHI. M.E.,PhD.,
HEAD OFTHEDEPARTMENT
DEPT OFMECHANICALENGINEERING,
E.G.S.PILLAY ENGINEERINGCOLLEGE
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NAGAPATTINAM 611002.



SIGNATURE

Dr.N.RAMANUJAM. M.E.PhD.
ASST.PROFESSOR
DEPT OF MECHANICALENGINEERING,
E.G.S.PILLAY ENGINEERINGCOLLEGE
(AUTONOMOUS).
NAGAPATTINAM611002.

VIVA VOCE

The viva voce examination of the project was held on.02..06..2022



PROJECTCOORDINATOR



PROJECTEVALUATOR

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “ **AUTOMATIC PNEUMATIC BUMPER AND BRAKE ACTUATION BEFORE COLLISION CHASIS** ” is the bonafide work of “ **NIRMAL E (E18MEL326), PRASANNA R (E18MEL329), SELLAKUMARAN S D (E18MEL334), SUNIL A (E18MEL339)** ” who carried out the project work under my supervision.



SIGNATURE

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

PROFESSOR

HEAD OF THE DEPARTMENT

**DEPARTMENT OF MECHANICAL ENGINEERING,
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(AUTONOMOUS).
NAGAPATTINAM 611002.**



SIGNATURE

Dr.S.KRISHNAMOHAN M.E., PhD.,

PROFESSOR

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

VIVA VOCE

The viva voce examination of the project was hold on. *02/06/2022*



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certificate that this project report "MECHANICAL TESTING ON NATURAL FIBER COMPOSITE IN SEATS OF AEROPLANES" Is the bonafide work of ABINASH.A (E18MER002), RAJESH.D (E18MER059), KISHOR.D (E18MER035), SRINIVASAN.B (E18MER070) . Who are carried out the project work under my supervision


SIGNATURE.

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

HEAD OF THE DEPARTMENT

DEPT OF MECHANICAL ENGINEERING

E.G.S. PILLAY ENGINEERING COLLEGE

(AUTONOMOUS)

NAGAPATTINAM- 611002


SIGNATURE 31/5/22

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

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. 02.06.2022

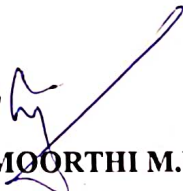

INTERNAL EXAMINER


EXTERNAL EXAMINER


BONAFIDE CERTIFICATE

Certified that this project report "FABRICATION AND TESTING OF VAPOUR GENERATOR ORGANIC RANGINE CYCLE BY UTILIZING WASTE HEAT" is the bonafide work of "K.DHINESH KUMAR (E18MER015) , G.DINESH (E18MER017) , S.DINESHKUMAR (E18MER019) , SURIYA (E18MER074)" who carried out the project work under my supervision.

SIGNATURE


Dr.G.GURUMOORTHI M.E., PhD
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E.G.S.PILLAY ENGINEERING
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Dr.J.JEEVAMALAR M.E.,PhD
SUPERVISOR
MECHANICAL ENGINEERING
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COLLEGE
(AUTONOMOUS)
NAGAPATTINAM 611002

VIVA VOCE

The viva voce examination of this project was held on


...02/06/22.....


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certificate that this project report “FABRICATION OF DOUBLE ACTING HACKSAW USING SCOTCH YOKE MECHANISM” is the bonafide work of “ARAVIND.A (E18MER007), PRATHEEP RAJS (E18MER054), VIGNESH.S (E18MER080), VINITH.P (E18MER084)”. Who are carried out the project work under my supervision.



SIGNATURE

Dr.G. GURUMOORTHI M.E., PhD.,
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HEAD OF DEPARTMENT,
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SIGNATURE

Dr.V.SIVARAMAKRISHNAN, M.E., PhD.
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PROJECT GUIDE
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VIVA VOCE

The viva voce examination of the project was hold on

...02.06.2022...



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certificate that this project report "ANALYSIS OF DISSIMILAR METAL WELDING OF 316 STAINLESS STEEL AND 321 STAINLESS STEEL" is the bonafide work of "MOHAMED ABDUL RAHMAN.A (E18MEL321), MOHAMED SHAIK SAFIUDEEN.M (E18MEL322), MOHAMED SHARUGAN.M (E18MEL323), SYED RASHID.S (E18MEL340)". Who are carried out the project work under my supervision.


SIGNATURE

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


SIGNATURE

**Mr.N.MANIKANDANM.E.,
ASSISTANT PROFESSOR,
DEPT OF MECHANICAL
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E.G.S. PILLAY ENGINEERING
COLLEGE
(AUTONOMOUS),
NAGAPATTINAM 611002.**

VIVA VOCE

The viva voce examination of the project was hold on

.....02/06/2022.....


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report “INVESTIGATION OF OXIDATION OF SS316”
s the bonafide work of “PRAGADHESHWARAN.R(E18MEL328)
SIDDHARTHAN.S(E18MEL335), SRINIVASAN.V(E18MEL337), SRIRAM.R
E18MEL338)” who carried out the project work under my supervision.


SIGNATURE

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

PROFESSOR

HEAD OF THE DEPARTMENT

DEPARTMENT OF MECHANICAL ENGINEERING,
E.G.S.PILLAY ENGINEERING COLLEGE
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SIGNATURE

Dr.S.CHOCKALINGAM M.E.,PhD.,

ASSOCIATE PROFESSOR

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

VIVA VOCE

The viva voce examination of the project was hold on... 02.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “WELDING STRENGTH ANALYSIS OF DISSIMILAR MATERIAL’S (ALUMINIUM, STAINLESS STEEL) BY USING FRICTION AND TIG WELDING” is the bonafide work of “VIGNESH.M (E18MEL343), PRABAKARAN.A (E18MEL327), SRIKARAN. R (E18MEL336), UDHAYAKUMAR.P (E18MEL342)”who carried out the Project work under my supervision.



SIGNATURE

Dr.G.GURUMOORTHI ME., Ph.D.

PROFESSOR

HEAD OF THE DEPARTMENT

Mechanical Engineering

E.G.S. Pillay Engineering College,

Nagapattinam.



SIGNATURE

Dr.S.CHOCKALINGAM ME.,(Ph.D).

ASSOCIATE PROFESSOR

SUPERVISOR

Mechanical Engineering

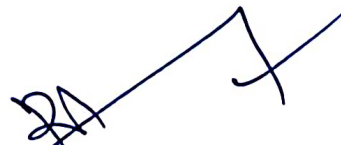
E.G.S. Pillay Engineering College,

Nagapattinam.

Submitted by university examination held on ..02/06/2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "INVESTIGATION OF THREE AXIS MODERN TRAILER" is the bonafide of "JEGADEESAN.K (E18MER028) , JENITHKUMAR.P (E18MER031), JOTHIRAMAN.S (E18MER032), SARAVANAN.S (E18MER063) " who carried out the project work under my supervision.



SIGNATURE

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



SIGNATURE

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

VIVA VOCE

The viva voce examination of the project was hold on 02-06-2022



INTERNAL



EXTERNAL

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "ANALYSIS OF ALUMINIUM E-GLASS REINFORCEMENT FOR ITS IMPROVED DUCTILITY" is the bonafide work of "MUSHRAF AHAMED.B (E18MER044) PARTHASARATHY.B (E18MER052) PRAVEEN KUMAR.J (E18MER055) VISHWA.I (E18MER088)" who carried out the project work under my supervision.



SIGNATURE

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

PROFESSOR / HOD

DEPARTMENT OF MECHANICAL

ENGINEERING,

E.G.S.PILLAY ENGINEERING

COLLEGE

(AUTONOMOUS).

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SIGNATURE

Mr.S MURUGESH M.E.,

ASST PROFESSOR

DEPARTMENT OF MECHANICAL

ENGINEERING,

E.G.S.PILLAY ENGINEERING

COLLEGE

(AUTONOMOUS).

NAGAPATTINAM 611002.

VIVA VOCE

The viva voce examination of the project was hold on. 02.06.2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certificate that this project report "EVALUATION OF MACHINING BEHAVIOURS OF ALUMINIUM METAL MATRIX COMPOSITE (AL+SiC)" is the bonafide work of "MOHAMEDALIYAR.A (E18MER042),PARAMESH.V(E18MER051),SHANMUGAPRIYAN.D (E18MER066), SOORIYA PRAGASH.K (E18MER068)". Who are carried out the project work under my supervision.



SIGNATURE

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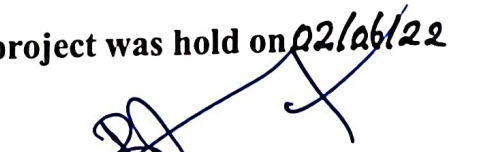
Mr.G.SUNDARAVADIVEL ME.,
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VIVA VOCE

The viva voce examination of the project was hold on 02/06/22



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certificate that this project report "TOPOLOGY OPTIMIZATION OF MECHANICAL COMPONENTS" is the bonafide work of "RUBAN K(E18MER061) ABISHEK R (E18MER004), NAVEEN KUMAR K(E18MER047), BALAMURUGAN V (E18MER012) Who are carried out the project work under my supervision.



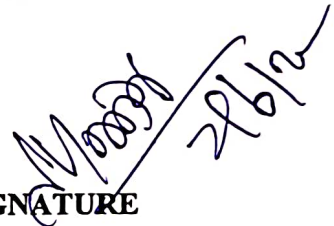
SIGNATURE

Dr.G. GURUMOORTHY, M.E., PhD.,

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VIVA VOCE

The viva voce examination of the project was held on

02.06.2022...



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certificate that this project report “**DESIGN AND THERMAL ANALYSIS OF VENTILATED DISC BRAKE**” is the bonafide work of “**MURUGARAJIV.M (E18MER043), NITHIYAKARAN.K (E18MER050), PRAKASH.M (E18MER053), SHANKAR.M (E18MER065)**”. Who are carried out the project work under my supervision.

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VIVA VOCE

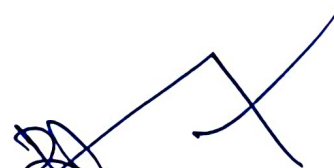
The viva voce examination of the project was hold on

01/06/2022.....

PROJECT CO-ORDINATOR



PROJECT EVALUATOR



BONAFIDE CERTIFICATE

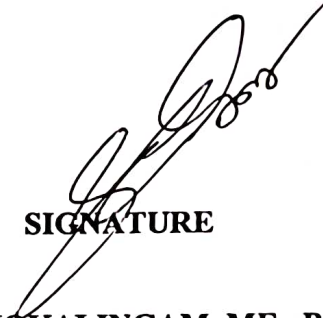
Certificate that this project report “DESIGN AND ANALYSIS OF RADIAL FAN IMPELLER IN THERMAL POWER PLANT” is the bonafide work of “AAFIQ.A (E18MER001), DINESH KUMAR (E18MER018), JAIGANESH.R (E18MER029), BALAJI.G (E18MEL306)”. Who are carried out the project work under my supervision.

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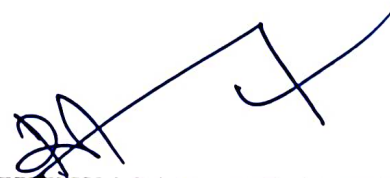
The viva voce examination of the project was hold on

..01.06.2022...

INTERNAL EXAMINER



EXTERNAL EXAMINER



BONAFIDE CERTIFICATE

Certified that this project report “**FABRICATION OF TREADLE PUMPING**” is the bonafide work of “**GUGAN.M (E18MER022), MADHAN.G (E18MER037), MATHAVAN.S (E18MER039) and NAVEEN.G (E18MER46)**” who carried out the project work under my supervision.



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VIVA VOCE

The viva voce examination of the project was hold on..02..06..2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report “DESIGN AND STRUCTURAL ANALYSIS OF WIND TURBINE BLADE BY USING PARA-ARAMIDS” is the bonafide work of “HARISH.S (E18MEL315), KEERTHIVASAN.S (E18MEL316), LOGESHWAR.M (E18MEL317) , RETHINA KUMAR.G (E18MEL317)” who carried out the project work under my supervision.


SIGNATURE

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VIVA VOCE

The viva voce examination of the project was hold on

.....1.6.22.....


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "SYNTHESIS AND CHARACTERIZATION OF MgAZ91D COCONUT SHELL ASH METAL MATRIX COMPOSITES" is the bonafide work of "HARIHARAN.S, PRAVINKUMAR.P, RAMKUMAR.R and MADHAVAN.R" who carried out the project work under my supervision.


SIGNATURE


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VIVA VOCE

The viva voce examination of the project was hold on...01/06/22


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "FABRICATION OF DUAL SHAPER MACHINE" is the bonafide work of "AJAY.J, AJEETH.R, BARATH.L, DEVARAJAN.R " who carried out the project work under my supervision.

SIGNATURE

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The viva voce examination of the project was hold on 01.06.2022

INTERNAL EXAMINER

EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report “EXPERIMENTAL INVESTIGATION OF LM 25 ALLOY REINFORCED WITH COCONUT SHELL ASH” is the bonafide work of “T.DINESH BABU, N.SURENDRHIRAN, E.VENGADESH, MANIKANDAN.M.,” who carried out the project work under my supervision.

SIGNATURE

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Asst professor
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VIVA VOCE

The viva voce examination of this project was held

on. 01/06/2022.

INTERNAL EXAMINER

EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certificate that this project report "SHOCK ABSORBER FOR IMPELLER ASSEMBLY IN FIBER BOAT" is the Bonafide work of KESAWAVARM.R (E18MER034), A.SANTHOSH (E18MER062), SURESH CHAKKARAVARTHY (E18MER073), SURYA.S (E18MER075). Who are carried out the project work under my supervision?


SIGNATURE

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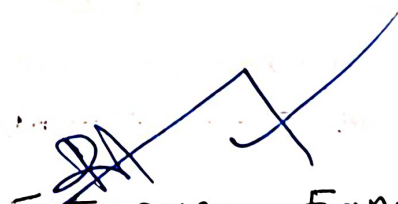
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VIVA VOCE

The viva voce examination of the project was hold on

01.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "INTELLIGENT OBSTACLE AVOIDANCE ROBOT USING ARDUINO" is the bonafide work of "K. ARIHARAN, C. CHANDRANBOSE, R. GOGULAKRISHNAN, G. MUTHARASAN" who carried out the project work under my supervision


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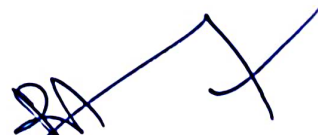

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Mr.K. SENTHIL NATHAN, M.E.,
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VIVA VOCE

The viva voce examination of the project was hold on...01/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "EVALUATION OF MACHINING BEHAVIOURS OF ALUMINIUM METAL MATRIX COMPOSITE(AL+ZN)" is the bonafide work of "U.VIJAY(E18MER081), K.VIKRAM(E18MER082), K.VINITH KUMAR(E18MER085), A.VINO AKALAIVAN(E18MER086)" who carried out the project work under my supervision.

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VIVA VOCE

The viva voce examination of the project was hold on. 11.06.2022

INTERNAL EXAMINER

EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report
"DESIGN AND FABRICATION OF 360° DEGREE STEERING
CONTROL FOR PARKING SYSTEM"

is the bonafide work of "DIVAKAR.P, GOWTHAMAN.G,
HABEEB MOHAMED.A, YOHESWARAN.J " who carried out the
project work under my supervision.


SIGNATURE


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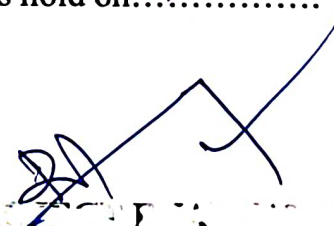

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VIVA VOCE

The viva voce examination of the project was hold on...1/06/22.....


INTERNAL EXAMINER


EXTERNAL EXAMINER


BONAFIDE CERTIFICATE

Certified that this project report “MODIFIED POWER TRANSMISSION IN VARIOUS ANGLE” is the bonafide work of “BALAJI.G, KESAVAN.V, MOHAMED MOHAIDEEN.M, NEDUMARAN.K.,,” who carried out the project work under my supervision.



SIGNATURE

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VIVA VOCE

The viva voce examination of the project was hold on..01/06/2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report “DESIGN AND EXPERIMENTATION OF MINI FRIDGE USING PELTIER EFFECT” is the bonafide work of “ARUN.S, ARUNRAJ.S, BHARANIDHARAN.V and VISWANATHAN.V” who carried out the project work under my supervision.



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VIVA VOCE

The viva voce examination of the project was hold on...1./6/22



INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certificate that this project report "DESIGN AND STRUCTURAL ANALYSIS OF COMPOUND LEAF SPRING" is the bonafide work of "AKASH.K (E18MEL303), DHINESH.J (E18MEL310), RANJITH.R (E18MEL330), SATHIYAN.R (E18MEL333)". Who are carried out the project work under my supervision.

SIGNATURE

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VIVA VOCE

The viva voce examination of the project was hold on

1.06.2022
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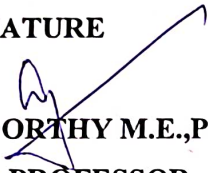
INTERNAL EXAMINAR

EXTERNAL EXAMINAR

BONAFIDE CERTIFICATE

Certified that this project report "CONTROL ON AUTOMATIC THREE PHASE STARTER" is the bonafide work of "ALEX.P, THILOTH.A, VIGNESH.G and DINESH.R" who carried out the project work under my supervision.

SIGNATURE



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VIVA VOCE

The viva voce examination of the project was hold on...1..6..22



INTERNAL EXAMANER



EXTERNAL EXAMANER

BONAFIDE CERTIFICATE

Certified that this project report “INFULENCE OF COCO BIT ASH PARTICLES AS REINFORCEMENT BEHAVIOR OF AZ31Mg ALLOY” is the bonafide work of “P.NAVEENPRAKASH,T.PRAVEENRAJ,S.SRINIVASAN, P.SRIDHAR” who carried out the project work under my supervision.

SIGNATURE

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VIVA VOCE

The viva voce examination of the project was hold on..!./06/22.....

INTERNAL EXAMINER

EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report “**Investigation of hydrogen enrichment in diesel engine performance, emission and combustion characteristics**” is the bonafide work of “**D.ARAVINTH (E18MER008)**,” who carried out the project work under my supervision.


SIGNATURE

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VIVA VOCE

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INTERNAL EXAMINER


EXTERNAL EXAMINER

