



**DESIGN AND ANALYSIS OF LUFFA
FIBER NATURAL**



**COMPOSITE-FOAM CORE SANDWICH FOR
AEROSPACE APPLICATION**

FINAL YEAR PROJECT REPORT

Submitted by

**JAYAPRAKASH P (17101020)
RAVIKUMAR K (17101040)
DINO BRITTO S (17101501)**

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

**BACHELOR OF ENGINEERING
IN
AERONAUTICAL ENGINEERING**

PAAVAI ENGINEERING COLLEGE

NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report " **Design and analysis of Luffa fiber natural composite-Foam core sandwich for aerospace application** " is the bonafide work of **JAYAPRAKASH J(17101020), RAVIKUMAR K (17101040), DINO BRITTO S (17101503)**, who have carried out the project work under my supervision.




SIGNATURE

Dr.R.ARRAVIND,ME.,PhD.,

HEAD OF THE DEPARTMENT,
Department of Aeronautical
Engineering,

Paaval Engineering College,

Namakkal-637018



SIGNATURE

Dr.R.ARRAVIND,ME.,PhD.,

SUPERVISOR,
Department of Aeronautical
Engineering,

Paaval Engineering College,

Namakkal-637018

Submitted for End Semester Examinations held on 23.6.21



INTERNAL EXAMINER

EXTERNAL EXAMINER



**COMPUTATIONAL STUDY OF FLOW
THROUGH TRUNCATED
CONICAL PLUG NOZZLE**

FINAL YEAR PROJECT REPORT

Submitted by

YASHWANTH BHARATH.K	17101059
AKASH.E	17101004
PRAVEEN.J	17101035

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
(AUTONOMOUS)

MAY 2021



MODELLING AND FABRICATION OF PICO SATELLITE FOR STUDY OF ATMOSPHERIC CONDITION



FINAL YEAR PROJECT REPORT

Submitted by

P.DINESHKUMAR	17101011
M.HARISH	17101018
V.MANIMARAN	17101026

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

BACHELOR OF ENGINEERING

in

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report " MODELLING AND FABRICATION OF PICO SATELLITE FOR STUDY OF ATMOSPHERIC CONDITION " is the bonafide work of P.DINESH KUMAR (17101011) , M.HARISH (17101018), V.MANIMARAN (17101026) who have carried out the project work under my supervision.



SIGNATURE




SIGNATURE

Dr.R. ARRAVIND,ME.,PhD.,
HEAD OF THE DEPARTMENT,
Department of Aeronautical
Engineering ,
Paavai Engineering College,
Namakkal-637018

Dr.R.ARRAVIND,ME.,PhD.,
SUPERVISOR,
Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018

Submitted for End Semester Examinations held on 23-6.21



INTERNAL EXAMINER

EXTERNAL EXAMINER



**Computational Analysis
of Hydrocarbon combustion
using Ansys Fluent**



A FINAL PROJECT REPORT

Submitted by

S.MADHAVAN (17101025)

SM SILAMBARASAN (17101045)

M.HAJA NAJIBUDEEN (17101017)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

In

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE,

NAMAKKAL (AUTONOMOUS)

(MAY 2021)



**Computational Analysis
of Hydrocarbon combustion
using Ansys Fluent**



A FINAL PROJECT REPORT

Submitted by

S.MADHAVAN (17101025)

SM SILAMBARASAN (17101045)

M.HAJA NAJIBUDEEN (17101017)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

In

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE,

NAMAKKAL (AUTONOMOUS)

(MAY 2021)

BONAFIDE CERTIFICATE

Certified that this project report "Computational Analysis of Hydrocarbon combustion using Ansys Fluent" is the bonafide work of S.MADHAVAN (17101025), SM SILAMBARASAN (17101045), M.HAJA NAJIBUDEEN (17101017) who have carried out the project work under my supervision



SIGNATURE

Dr.R. ARRAVIND M.E., Ph.D.,

HEAD OF THE DEPARTMENT,

Department of Aeronautical
Engineering

Paavai Engineering College

Namakkal-637018



SIGNATURE

P.KARTHIKEYAN M.Tech.,

SUPERVISOR,

Department of Aeronautical
Engineering

Paavai Engineering College

Namakkal-637018

Submitted for End Semester Examinations held on -----23.6.21-----



INTERNAL EXAMINER

EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "Computational Analysis of Hydrocarbon combustion using Ansys Fluent" is the bonafide work of S.MADHAVAN (17101025), SM SILAMBARASAN (17101045), M.HAJA NAJIBUDEEN (17101017) who have carried out the project work under my supervision



SIGNATURE

Dr.R. ARRAVIND M.E., Ph.D.,
HEAD OF THE DEPARTMENT,

Department of Aeronautical
Engineering

Paavai Engineering College

Namakkal-637018



SIGNATURE

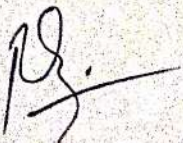
P.KARTHIKEYAN M.Tech.,
SUPERVISOR,

Department of Aeronautical
Engineering

Paavai Engineering College

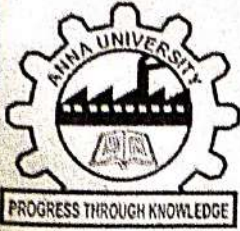
Namakkal-637018

Submitted for End Semester Examinations held on -----23.6.21-----



INTERNAL EXAMINER

EXTERNAL EXAMINER



**MODELLING AND FABRICATION OF AERIAL
SURVIELLANCE AND MULTIPURPOSE GAS
LEAKAGE DETECTION DRONE**



FINAL YEAR PROJECT

Submitted by

M.MADHAVAN (17101024)

N.NARENDHIRAN (17101032)

C.VIGNESH (17101057)

in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE


Certified that this project report "MODELLING AND FABRICATION OF AERIAL SURVIELLANCE AND MULTIPURPOSE GAS LEAKAGE DETECTION DRONE" is the bonafide work of M.MADHAVAN (17101024), N.NARENDHIRAN (17101032), C.VIGNESH (17101057) who have carried out the project work under my supervision.



SIGNATURE

Dr.R. ARRAVIND, M.E., PhD.,
HEAD OF THE DEPARTMENT,
Department of Aeronautical
Engineering,
Paavai Engineering College,

Namakkal-637018




SIGNATURE

K.GOKULNATH, M.E.,
SUPERVISOR,
Department of Aeronautical
Engineering,
Paavai Engineering college,

Namakkal-637108

Submitted for End semester Examinations held on23:6:21.....



INTERNAL EXAMINER

EXTERNAL EXAMINER



**3D COMPUTATIONAL
ANALYSIS OF
TRANSVERSE INJECTION
IN A SUPERSONIC
COMBUSTOR**



A FINAL YEAR PROJECT REPORT

Submitted by

G. SRI SANTHOSH KUMAR (17101047)

R. YUVARAJ (17101060)

A. JEEVA (17101021)

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

In

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE,

NAMAKKAL (AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report “3D computational analysis of transverse injection in a supersonic combustor” is the bonafide work of G.SRI SANTHOSH KUMAR (17101047) R. YUVARAJ (17101060) A. JEEVA (17101021) who have carried out the project work under my supervision.



SIGNATURE

Dr.R. ARRAVIND M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Department of Aeronautical
Engineering
Paavai Engineering College
Namakkal-637018



SIGNATURE

P.KARTHIKEYAN M.Tech.,
SUPERVISOR,
Department of Aeronautical
Engineering
Paavai Engineering College
Namakkal-637018

Submitted for End Semester Examinations held on ----- 23.06.2021 -----

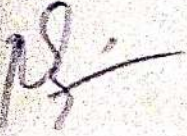


INTERNAL EXAMINER

EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report “ DESIGN AND FABRICATION OF SEED DROPPING UAV” is the bonafide work of MANJUNATH J (17101027) , MIDHUNESH E (17101029) , TAMILSELVAND (17101052), who have carried out the project work under my supervision.



SIGNATURE

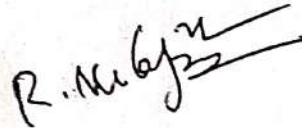
Dr.R.ARRAVIND,ME.,PhD.,

HEAD OF THE DEPARTMENT,

Department of Aeronautical
Engineering,

Paavai Engineering College,

Namakkal-637018



SIGNATURE

Mr.R.NALLAPPAN,ME.,

SUPERVISOR,

Department of Aeronautical
Engineering,

Paavai Engineering College,

Namakkal-637018

Submitted for End Semester Examinations held on 23.06.2021



INTERNAL EXAMINER

EXTERNAL EXAMINER



**STRESS AND FATIGUE ANALYSIS
ON SANDWICH PANELS**

FINAL YEAR PROJECT REPORT

Submitted by

A. K. VASU (17101055)
M. SURIYA PRAKASH (17101050)
B. PRASANTH (17101034)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

In

AERONAUTICAL ENGINEERING

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

ANNA UNIVERSITY:: CHENNAI 600 025

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report "STRESS AND FATIGUE ANALYSIS ON SANDWICH PANELS" is the bonafide work of A.K. VASU (17101055), M. SURIYA PRAKASH (17101050), B. PRASANTH (17101034) Who have carried out the project work under my supervision.



SIGNATURE

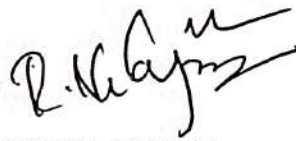
Dr.R. ARRAVIND, M.E., Ph.D.

HEAD OF THE DEPARTMENT,

Department of Aeronautical
Engineering,

Paavai Engineering College,

Namakkal-637018



SIGNATURE

R. NALLAPAN, M.E.

SUPERVISOR,

Department of Aeronautical
Engineering,

Paavai Engineering College,

Namakkal - 637018

Submitted for End Semester Examinations held on 23.06.2021



INTERNAL EXAMINER

EXTERNAL EXAMINER



**DESIGN AND AERODYNAMIC
ANALYSIS OF WINGLET**

FINAL YEAR PROJECT

Submitted by

A PRAVEENKUMAR (17101036)
C PRAMMASUDHAN (17101033)
K KARTHIK (17101023)

*in partial fulfilment for the award of the degree
of*

BACHELOR OF ENGINEERING

IN

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND AERODYNAMIC ANALYSIS OF WINGLET " is the bonafide work of PRAVEENKUMAR A 17101036 , PRAMMASUDHAN C 17101033, KARTHIK K 17101023 who have carried out the project work under my supervision.



SIGNATURE



SIGNATURE

Dr.R. ARRAVIND, M.E., PhD.,
HEAD OF THE DEPARTMENT,

Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018

P. PRASANNA , M.E.,
SUPERVISOR,

Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018

Submitted for End semester Examinations held on2.3.6.2.1.....



INTERNAL EXAMINER

EXTERNAL EXAMINER



**DESIGN AND ANALYSIS OF HAT
STIFFENER USING GLASS FIBRE AND ALUMINIUM**



FINAL YEAR PROJECT REPORT

Submitted by

RAJAPANANTHAN T (17101039)

SRISABAREESWARAN P (17101048)

SURENDRAN S (17101049)

In partial fulfilment for the award of the degrees of

BACHELOR OF ENGINEERING

In

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF HAT STIFFENER USING GLASS FIBRE AND ALUMINIUM" is the bonafide work of SURENDRAN.S (17101049) who have carried out the project work under my supervision.



SIGNATURE

Dr. R. ARRAVIND ME., Ph.D.,
HEAD OF THE DEPARTMENT

Department of Aeronautical
Engineering

Paavai Engineering college
Namakkal-637018



SIGNATURE

Mr.P.PRASANNA ME.,
SUPERVISOR,

Department of Aeronautical
Engineering

Paavai Engineering College
Namakkal-637018

Submitted for End Semester Examination held on 23.6.21



INTERNAL EXAMINER

EXTERNAL EXAMINAR

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF HAT STIFFENER USING GLASS FIBRE AND ALUMINIUM" is the bonafide work of SURENDRAN.S (17101049) who have carried out the project work under my supervision.



SIGNATURE

Dr. R. ARRAVIND ME., Ph.D.,
HEAD OF THE DEPARTMENT

Department of Aeronautical
Engineering

Paavai Engineering college
Namakkal-637 018



SIGNATURE

Mr.P.PRAŚANNA ME.,
SUPERVISOR,

Department of Aeronautical
Engineering

Paavai Engineering College
Namakkal-637 018

Submitted for End Semester Examination held on 23.6.21



INTERNAL EXAMINER

EXTERNAL EXAMINAR



**AERODYNAMIC PERFORMANCE OF
WING WITH WINGLET AT LOW
REYNOLDS NUMBER**



A FINAL YEAR PROJECT REPORT

Submitted by

ARUN KUMAR S	17101006
CHINNAIYAN S	17101009
PRIYADHARSHAN P	17101038

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report "AERODYNAMIC PERFORMANCE OF WING WITH WINGLET AT LOW REYNOLDS NUMBER" is the bonafide work of ARUN KUMAR.S (17101006), CHINNAIYAN.S (117101009), PRIYADHARSHAN.P (17101038) who have carried out the Project work under my supervision.



SIGNATURE

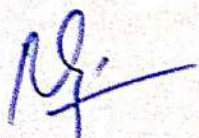
Dr.R. ARRAVIND ME., Ph.D.,
HEAD OF THE DAPARTMENT,
Department of Aeronautical
Engineering
Paavai Engineering College
Namakkal-637018



SIGNATURE

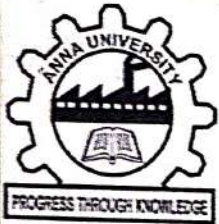
D. RAJ KUMAR ME.,
SUPERVISOR,
Department of Aeronautical
Engineering
Paavai Engineering College
Namakkal-637018

Submitted for End Semester Examinations held on 23.6.21



INTERNAL EXAMINER

EXTERNAL EXAMINER



**CONTROL OF SHOCK WAVE
BOUNDARY LAYER INTERACTION
USING BLEED SUCTION IN HYPERSONIC
VEHICLE**



FINAL YEAR PROJECT REPORT

Submitted by

A.ABURVA 17101001

S.AKALYA 17101003

K.VAISHNAVI 17101054

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

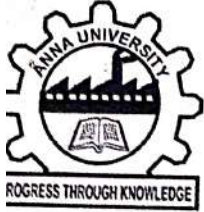
in

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

May 2021



**CONTROL OF SHOCK WAVE
BOUNDARY LAYER INTERACTION
USING BLEED SUCTION IN HYPERSONIC
VEHICLE**



FINAL YEAR PROJECT REPORT

Submitted by

A.ABURVA	17101001
S.AKALYA	17101003
K.VAISHNAVI	17101054

in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

in

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

May 2021

BONAFIDE CERTIFICATE

Certified that this project report “ **Control of shock wave boundary layer interaction using Bleed suction in Hypersonic vehicle** ” is the bonafide work of **A.ABURVA (7101001), S.AKALYA (17101003), K.VAISHNAVI (17101054)**, who have carried out the project work under my supervision.



SIGNATURE

Dr.R. ARRAVIND,ME.,Ph.D.,
HEAD OF THE DEPARTMENT,
Department of Aeronautical
Engineering ,
Paavai Engineering College,
Namakkal-637018



SIGNATURE

Dr.R.ARRAVIND,ME.,PhD.,
SUPERVISOR,
Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018

Submitted for End Semester Examinations held on 23.06.2021 .



INTERNAL EXAMINER

EXTERNAL EXAMINER



**AUTONOMOUS DRONE USING PIXHAWX
FLIGHT CONTROLLER WITH LIVE
STREAMING AND MASK DETECTION FEATURES**



A FINAL YEAR PROJECT REPORT

Submitted by

M ARUN SANKAR (17101007)
M JEEVA (17101022)
M MANOJ KUMAR (17101028)

in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

AERONAUTICAL ENGINEERING

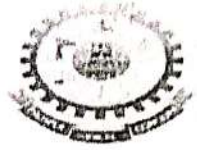
PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY2021



**AUTONOMOUS DRONE USING PIXHAWX
FLIGHT CONTROLLER WITH LIVE
STREAMING AND MASK DETECTION FEATURES**



A FINAL YEAR PROJECT REPORT

Submitted by

M ARUN SANKAR (17101007)
M JEEVA (17101022)
M MANOJ KUMAR (17101028)

in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY2021

BONAFIDE CERTIFICATE

Certified that this project report "AUTONOMOUS DRONE USING PIXHAWX FLIGHT CONTROLLER WITH LIVESTREAMING AND MASK DETECTION" is the bonafide work of M.A.RUNN SANKAR(17101007), M. JEEVA(17101022), M. MANOJ KUMAR (17101028) who have carried out the project work under my supervision.



SIGNATURE

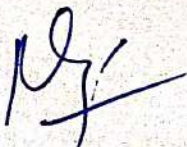
Dr.R. ARRAVIND, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018



SIGNATURE

G. SASI, M.E.,
SUPERVISOR,
Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018

Submitted for End semester Examinations held on ... 23.6.21



INTERNAL EXAMINER

EXTERNAL EXAMINER



FUEL-AIR MIXING
CHARACTERISTICS USING OPPOSED FUEL
JET FOR THE FLAME STABILIZATION
IN THE SUBSONIC COMBUSTION REGIME

FINAL YEAR PROJECT REPORT

Submitted by

K. GOWTHAM (17101015)
S. RIYAS AHAMATH (17101041)
D. A. GAUTAM (17101301)

in partial fulfilment for the award of the degree
Of

BACHELOR OF ENGINEERING

IN

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report “ FUEL-AIR MIXING CHARACTERISTICS USING OPPOSED FUEL JET FOR THE FLAME STABILIZATION IN THE SUBSONIC COMBUSTION REGIME” is the bonafide work of K.GOWTHAM (17101015), S.RIYAS AHAMATH (17101041), D.A.GAUTAM (17101301) who have carried out the project work under my supervision.



SIGNATURE




SIGNATURE

Dr.R. ARRAVIND, M.E., PhD.,
HEAD OF THE DEPARTMENT,
Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018

G. SASI, M.E.,
SUPERVISOR,
Department of Aeronautical
Engineering,
Paavai Engineering College,
Namakkal-637018

Submitted for End semester Examinations held on23.6.21.....



INTERNAL EXAMINER

EXTERNAL EXAMINER



**EXPERIMENTAL INVESTIGATION OF
SHOCKWAVE AND BOUNDARY LAYER**



**INTERACTION ON THE EXTERNAL TRANSONIC
FLOW OVER AN AIRFOIL**

A FINAL YEAR PROJECT REPORT

Submitted by

DHIVYA C	17101010
GOKUL G	17101012
PREETHI R	17101037

In partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

AERONAUTICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021

BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL INVESTIGATION OF SHOCKWAVE AND BOUNDARY LAYER INTERACTIN ON THE EXTERNAL TRANSONIC FLOW OVER AN AIRFOIL" is the bonafide work of DHIVYA. C (17101010), GOKUL. G (17101012), PREETHI. R (17101037) who have carried out the Project work under my supervision.



SIGNATURE

Dr. R. ARRAVIND ME., Ph.D.,
HEAD OF THE DAPARTMENT,
Department of Aeronautical
Engineering
Paavai Engineering College
Namakkal-637018



SIGNATURE

K. GOKULNATH ME.,
ASSISTANT PROFESSOR,
Department of Aeronautical
Engineering
Paavai Engineering College
Namakkal-637018

Submitted for End Semester Examinations held on 23.6.21



INTERNAL EXAMINER

EXTERNAL EXAMINER



Dear **Daya Sri S**

We are dignified to inform you of your acceptance of an internship position as a **Virtual volunteer** in InAmigos foundation. Your first day of joining will be **27 September 2020**. You will report to your superior . You would be responsible for HR through an online campaign.

The duration of internship is **two weeks** . You will receive academic credit that is **Internship certificate, Appreciation certificate, Letter of recommendation** on successful completion of your tenure.

We expect your personal accountability in all the actions, advice and results that you provide as representative of Inamigos foundation.

We would also ask for your commitment to deliver outstanding quality and results that exceed team expectations.

In return, we are committed to providing you with every opportunity to learn, grow and stretch to the highest level of your ability and potential.

We look forward to the opportunity to work with you in an atmosphere that is successful and mutually challenging and rewarding.

If you have any queries, please feel free to contact your superior , we are very pleased that you have decided to join Inamigos foundation. We look forward to seeing you and offer a warm welcome.

Wishing you all the best

Congratulations on the internship

Regards,

Inamigos foundation

Email id - inamigosfoundation@gmail.com



**Build With
Innovation**

EVOLVE. GROW. THRIVE.

TO WHOMSOEVER IT MAY CONCERN

Date: - 10/01/2021

This is to certify that **Daya Sri** has successfully completed her internship with **Build With Innovation Private Limited** during the period **October 1, 2020 to December 31, 2020**

During this period, she worked as **Business Developer**.

During the course of internship, **Daya Sri** has shown great amount of responsibility, sincerity and a genuine willingness to learn and zeal to take on new assignments & challenges. In particular, her coordination skills and communication skills are par excellence.

We wish her all the very best for future.

With regards,

BHAWNA VANJANI

CEO

Build With Innovation Private Limited
651, 6th Floor, Aggarwal Metro Heights, Netaji Subash Palace, Pitampura, New Delhi -110034
www.buildwithinnovation.com
+91-7678330040 011-40363431



CERTIFICATE OF COMPLETION

To Whomsoever It May Concern

This is to certify that Mr /Ms DEEPIKA SRI R. a student of PAVAL ENGINEERING COLLEGE from AERONAUTICAL ENGINEERING Department Successfully completed Internship from 1.03.2021 to 11.03.2021 at **Leadingedge Futuring Technology Pvt Ltd.**

During the tenure of his Internship with us, he/she found hardworking, punctual and inquisitive.

We wish her/him every success in life.

Awarded this 11.03.2021.



GOBINATH A
MANAGING DIRECTOR



CERTIFICATE OF COMPLETION

To Whomsoever It May Concern

This is to certify that Mr /MsS. KEERTHI..... a student of
.....DRAVAL.....ENGINEERING.....COLLEGE..... fromAERONAUTICAL.....ENGINEERING.....
Department Successfully completed Internship from ...01.03.2021... to ...11.03.2021... at
Leadingedge Futuring Technology Pvt Ltd.

During the tenure of his Internship with us, he/she found hardworking, punctual and inquisitive.

We wish her/him every success in life.

Awarded this 11.03.2021.



A handwritten signature in blue ink, appearing to be "Gobinath A".

GOBINATH A
MANAGING DIRECTOR

CERTIFICATE OF COMPLETION

To Whomsoever It May Concern

This is to certify that Mr /MsMALATHIKA..M..... a student of
.....PARVATI.....ENGINEERING.....COLLEGE..... fromAERONAUTICAL.....ENGINEERING
Department Successfully completed Internship from ...01..03..2021.. to ...11..03..2021.. at
Leadingedge Futuring Technology Pvt Ltd.

During the tenure of his Internship with us, he/she found hardworking, punctual and inquisitive.

We wish her/him every success in life.

Awarded this 11.03.2021.



GOBINATH A
MANAGING DIRECTOR



CERTIFICATE OF COMPLETION

To Whomsoever It May Concern

This is to certify that Mr /MsA: NEETHAI..... a student of
.....PAAYAI.....ENGINEERING.....COLLEGE..... fromAERONAUTICAL.....ENGINEERING.....
Department Successfully completed Internship from ...01.03.2021.. to ...11.03.2021 at
Leadingedge Futuring Technology Pvt Ltd.

During the tenure of his Internship with us, he/she found hardworking, punctual and inquisitive.

We wish her/him every success in life.

Awarded this 11.03.2021.



GOBINATH A
MANAGING DIRECTOR



Ref. No: AT/S3-08/i-ATP-017

Date: 27-09-2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Samuvel P**, intern student from **Paavai Engineering College**, 3rd year B.E Aeronautical Engineering (18101029) has successfully completed the "Internship Program on Aerospace Technical Publication" in Aerotics Technologies from 03rd August 2020 to 21st September 2020.

During the internship Program, he obtained knowledge on:

1. Aerospace Technical Publication Standards (ATA 100) and Specifications (iSpec2200, S1000D)
2. ASD-STE 100 (Simplified Technical English)
3. Detail study of page blocks and manual structure (AMM/SRM/CMM)
4. Detail study on AMTOSS - Function codes
5. Detail study on Data Module Code (S1000D)
6. Engineering Drawing - Orthographic to isometric conversions
7. Analysis & interpretation of aerospace engineering drawings
8. Writing practices of AMM, AIPC, SRM, CMM
9. Detail study of aircraft systems and its operations.

Performance and attendance during the above technical internship period was found good.

Prof. Elangovan Rajagopalan
VSSC-ISRO former research scientist
Technical Advisor - Aerotics Technologies



Digitally signed by Tamilarasu
Kaliannan
Date: 2020.09.27 14:52:48 +05'30'



CERTIFICATE OF COMPLETION

To Whomsoever It May Concern

This is to certify that Mr /MsSARATH.....KUMAR.S..... a student ofPRAVAL.....ENGINEERING.....COLLEGE..... fromAERONAUTICAL.....ENGINEERING..... Department Successfully completed Internship from ..01..08..2021... to ..11..08..2021... at **Leadingedge Futuring Technology Pvt Ltd.**

During the tenure of his Internship with us, he/she found hardworking, punctual and inquisitive.

We wish her/him every success in life.

Awarded this 11.03.2021.



GOBINATH A
MANAGING DIRECTOR