

INTERNSHIP COMPLETION LETTER

Date: 23/08/2021

Ref No: IPD-P15/052-2021

To Whom It May Concern


This is to certify that **R BHUVAN** has successfully completed an online internship with Society for Space Education Research and Development [SSERD] as a Research Intern in the Internships and Projects Division [IPD] from **10/07/2021** to **13/08/2021**.

He has worked on a project titled **Nuclear Thermal Rocket for Unmanned Mars Mission: Analysis from literature study** under the guidance of **Ms. Silvy Kerkar**. During his tenure he was found diligent and enthusiastic, and was able to complete the project on time.

I hereby certify that his overall work was good to the best of my knowledge.

We wish him every success in his life and career.

Supervised by,



Silvy Kerkar
Research Supervisor

Certified by,



Mahesh Panneer Selvam
Head of R&D, IPD
SSERD

Internship Experience Letter

12 July, 2021

TO WHOM IT MAY CONCERN

This letter is to certify that **Mr. Naguru Veera Raghunatha Reddy** has successfully completed his internship program of **1 Month with Skillto Solutions**. The internship tenure was from 1st June, 2021 to 1st July, 2021. He was working as **Business Analytics Intern** and was actively & diligently involved in the projects and tasks assigned to him.

During the span, we found him punctual and hardworking person. His learning powers are good and he picks up swiftly. His feedback and evaluation proved that he learned keenly. Moreover, his interpersonal and communication skills are brilliant.

We wish him a bright future.

For Skillto Solutions,
Narendra Singh
Director



Phone
+91-9876228867
+91-9780803733



Email
support@skillto.in



Address
3rd Floor, Bedi Towers,
Ferozpur Road, Ludhiana



www.skillto.in
facebook.com/
skilltoeducation

Date: 20/08/2021

Dear Mr. Meet Vachhani,

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Meet Vachhani** has done his internship as **Design Intern** at Mechathon Engineering Private Limited from **21st June-2021** to **20th August-2021**.

He worked on a project titled "**DESIGN OPTIMIZATION OF MULTI-PLUNGER POSITIVE DISPLACEMENT PUMPS**". As part of the project, he supported as an Intern for our Design and Development Team.

During his internship he has demonstrated his skills with self-motivation to learn the new skills. His performance exceeded our expectations and he completed the project on time. We wish all the best for his upcoming career.

Certificate ID: MEI2021AAJO

For Mechathon Engineering Pvt. Ltd.,

eSign

Signed by: Vigneshwaran
Srinivasan
Reason: Internship Completion
Location: Chennai, India
Date: 20-Aug-2021 (10:35 PM)

Vigneshwaran Srinivasan
Managing Director



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled “**SOLAR POWERED QUADCOPTER FOR EXTENDED FLIGHT ENDURANCE**” has been successfully carried out by **Gourav Nand Tiwary M [ENG18AS0014], Nikitha K N [ENG18AS0025], Reshma G[ENG18AS0032], Pooja Reddy B[ENG19AS1004]**, in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.

Rana Kumar
23/6/2022

Signature of Guide

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

Kartik S Tandel
23/06/2022

Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru

Rana Kumar
23/6/2022

Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

A Srinivas

Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru

Krishnam Subbutha
External Examiner 23/06/22



DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled “*Hydraulic Flap System of an Aircraft*” has been successfully carried out by *Rakshitha .B [ENG18AS0030], Santhosh.S[ENG18AS0035], Syed Faraz Moin[ENG18AS0040], Harshitha HR[ENG18AS1003], Sreekar[ENG18AS1007]* in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.

1 *Rana Kumar* 22/6/2022

2 *K. Sudha Deepthi* 22/6/2022

Signature of the Guide

1. Prof. B.V.N RAMAKUMAR
2. Prof. SUDHA DEEPTHI
Dept. of ASE
SoE-DSU, Bengaluru

K. S. Tandel 22/06/2022

Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru

Rana Kumar 22/6/2022

Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

A. Srinivas

Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru

S. Srinivas 22/06/22
External Examiner



DAYANANDA SAGAR UNIVERSITY

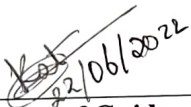
SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled “*Smart Lab*” has been successfully carried out by *Chandan B U[ENG18AS0028]*, *Mohammed Shaheed [ENG18AS0021]*, *Pavan Kumar J V[ENG18AS0026]*, *Pratheek K[ENG18AS0028]* in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.


Signature of Guide

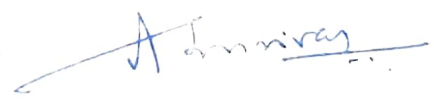
Prof. Kartik S Tandel
Professor/Associate Professor/
Assistant Professor, Dept. of
ASE
SoE-DSU, Bengaluru


Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru


Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru


Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru


External Examiner



DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**DEVELOPING A REAL-TIME DATA ACQUISITION, FLY-BY-WIRELESS COMMUNICATION SYSTEM FOR AN UNMANNED AERIAL VEHICLE USING IoT**" has been successfully carried out by **Girisha BB [ENG18AS0013], Maruthi Reddy M [ENG18AS0018], Naguru Veera Raghunatha Reddy [ENG18AS0022]** in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.

Signature of Guide

Dr. Rajashree N
Professor,
Dept. of ECE
SoE-DSU, Bengaluru

22/06/2022

Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru

22/06/2022

**Signature of The Chairman
and Guide**

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru

22/06/22

External Examiner

Academic Batch: 2018-2022



DAYANANDA SAGAR UNIVERSITY

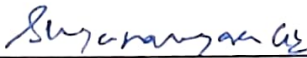
SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

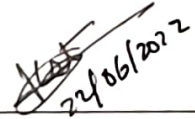
CERTIFICATE

This is to certify that the project entitled “*Design, Simulation, Prototype and Flying of Drone using Coanda Effect*” has been successfully carried out by *Aishwarya Dhupe [ENG18AS0002], Anand M H [ENG18AS0003], Komal Sajjan [ENG18AS0016], Poornachandra Tejas [ENG19AS1005]* in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.




Signature of Guide

Prof. G K Suryanarayana
Professor/Associate Professor/
Assistant Professor, Dept. of
ASE
SoE-DSU, Bengaluru


24/06/2022

Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru


23/6/2022

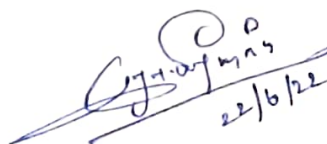
Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru



Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru


22/6/22



DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled “*Numerical Simulation of Flow Over a Generic Supersonic Tandem Control Missile*” has been successfully carried out by *Anusha S [ENG18AS0005]* and *Dishana Dinesh [ENG18AS0011]* in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.

Signature of Guide

Prof. Krishnam Suhrutha
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru

22/06/2022

Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru

22/6/2022

Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru

External Examiner



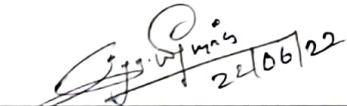
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SCHOOL OF ENGINEERING

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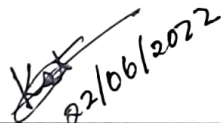
DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

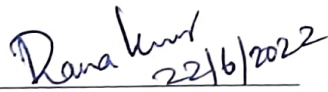
This is to certify that the project entitled “ *Design & Analysis of a Modular Fixed-Wing Electric Powered Mini-UAV for Surveillance & Imaging* ” has been successfully carried out by *Gabriel Peter Dass [ENG18AS0012]*, *Jack Patro V [ENG18AS0015]*, *Thanya A N [ENG18AS0041]*, *Vishrudh J [ENG18AS0046]*, *Yaseer Mohammed Meera [ENG18AS0047]* in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.


Signature of Guide

Prof. Srinath R
Assistant Professor
Dept. of ASE
SoE-DSU, Bengaluru


Signature of the Coordinator

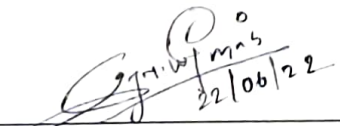
Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru


Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru


Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru


External Examiner




DAYANANDA SAGAR UNIVERSITY
SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled "MINIATURE REPLICA OF AIRCRAFT CONTROL SURFACES" has been successfully carried out by CHANDAN N [ENG18AS0008], MANOJ K [ENG18AS0019], VISHAL S [ENG18AS0045], HARSHITH H S [ENG19AS1002], SAGAR R RAO [ENG19AS1006] in partial fulfilment of requirement for the award of degree BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.


Signature of Guide


Prof. Srinath R
Assistant Professor
Dept. of ASE
SoE-DSU,Bengaluru


Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU,Bengaluru


Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU,Bengaluru


Signature of the Dean

Dr. A Srinivas
SoE-DSU,Bengaluru


External Examiner



DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled “*Design, Analysis and Aeromodelling of Inter-city Electric Vertical Takeoff and Landing (ICeVTOL) Aircraft*” has been successfully carried out by *Meet Vachhani [ENG18AS0020], Rishabsai Wazarkar [ENG18AS0033], Utkarsh Patel [ENG18AS0042], Vinayak Hegde [ENG18AS0043], Anirudh K [ENG19AS1001]* in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.

22/06/22

Signature of Guide

Prof. Srinath R.
Professor/Associate Professor/
Assistant Professor, Dept. of
ASE
SoE-DSU, Bengaluru

22/06/2022

Signature of The Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru

22/6/2022

Signature of The Chairman

Dr. B.V.N Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

22/06/2022

Signature of The Dean

Dr. A. Srinivas
SoE-DSU, Bengaluru

22/06/22

External Examiner



DAYANANDA SAGAR UNIVERSITY

School Of Engineering
Kudlu Gate, Bengaluru- 560068

Department Of Aerospace Engineering

CERTIFICATE

This is to certify that the Project entitled "**Implementation of Sensor System and Obstacle Recognition for UAVs**" has been successfully carried out by **Abhishek Sharma (ENG18AS0001)**, **Anurag Prasad (ENG18AS0004)**, **Bishika Alay (ENG18AS0006)**, **Sayan Mondal (ENG18AS0036)**, **Shaik Hakim Shahid Shah (ENG18AS0037)**, in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING** by **DAYANANDA SAGAR UNIVERSITY** during the academic year **2021-2022**.

Varun S.M.

Signature of Guide

Dr. Sharatkumar Variyar
Associate Professor
Dept. of ASE
SoE-DSU, Bengaluru

Karthik S. Tandel
21/06/2022

Signature of Coordinator

Prof. Karthik S. Tandel
Assistant Professor
Dept. of ASE
SoE-DSU, Bengaluru

Rama Venk
21/6/2022

Signature of the Chairman

Dr. B V N Ramakumar
Professor & Chairman
Dept. of ASE
SoE-DSU, Bengaluru

A. Srinivas

Signature of the Dean

Dr. A. Srinivas
SoE-DSU, Bengaluru

External Examiner:

1) SRINATH R.
Name

Srinivas
21/06/22
Signature



DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled “*Fabrication of Pneumatic Operated Emergency Overwing Exit System in Aircrafts*” has been successfully carried out by *Vinaykumar Y M [ENG18AS0044]*, *Syed Umar [ENG19AS1008]*, *Kumar Harijan [ENG18AS0017]*, *Simriths Srestha [ENG18AS0039]* in partial fulfillment of requirement for the award of degree BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.

Signature of Guide

Dr. Sharatkumar Variyar
Associate Professor
Dept. of ASE
SoE-DSU, Bengaluru

Signature of the Coordinator

Prof. Kartik S Tandel
Assistant Professor,
Dept. of ASE
SoE-DSU, Bengaluru

Signature of the Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru

External Examiner



DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Kudlu Gate, Bangalore-560068

DEPARTMENT OF AEROSPACE ENGINEERING

CERTIFICATE

This is to certify that the project entitled “*Design and Analysis of an Inter-Planetary Mission*” has been successfully carried out by *Team Member Darshan T.N [ENG18AS0010], Team Member Nandan Tej S [ENG18AS0023], Team Member Nandhan M [ENG18AS0024], Team Member Pavan Kumar S [ENG18AS0027], Team Member R. Bhuvan [ENG18AS0029]* in partial fulfillment of requirement for the award of degree of BACHELOR OF TECHNOLOGY in AEROSPACE ENGINEERING by DAYANANDA SAGAR UNIVERSITY during the academic year 2021-22.

Signature of Guide

Dr. Vinod K Agrawal
Scientist G
ISRO

Kartik
22/06/2022

Signature of the Coordinator

Prof. Kartik S Tandel
Professor,
Dept. of ASE
SoE-DSU, Bengaluru

Rama Kumar
22/6/2022

Signature of The Chairman

Dr. BVN Ramakumar
Dept. of ASE
SoE-DSU, Bengaluru

A Srinivas

Signature of the Dean

Dr. A Srinivas
SoE-DSU, Bengaluru

A. Srinivas
22/6/22

External Examiner