

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



INTERNSHIP REPORT

on

“AGRICULTURAL DRONES”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By
AAKASH D
1SJ20AS001

Internship carried out at:

AEROSIGHT TECHNOLOGIES Pvt. Ltd.

5th Cross Rd, 2nd Phase, Chokkasandra, Peenya, Bengaluru, Karnataka 560058

UNDER THE GUIDANCE OF

INTERNAL GUIDE:

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Associate Professor & HOD

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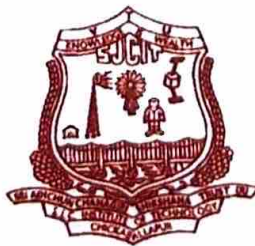
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EXTERNAL GUIDE:

Hemanth Kumar R

Design Engineer

Aerosight Technologies, Peenya



DEPARTMENT OF AEROSPACE ENGINEERING

SJC INSTITUTE OF TECHNOLOGY

CHICKBALLAPUR – 562 101

2023-24

SJC INSTITUTE OF TECHNOLOGY

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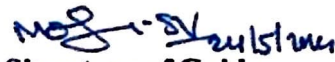
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DEPARTMENT OF AEROSPACE ENGINEERING



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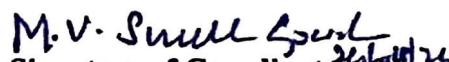
This is to certify that the Internship Work entitled "AGRICULTURAL DRONES" work carried out by AAKASH D(1SJ20AS001) is bonafide student of SJC Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that he has completed the Internship satisfactorily.


Signature of Guide

Dr. Madhusudhana S V

Associate Prof. & HOD

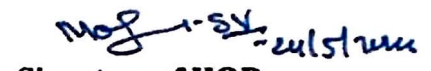
Dept. of ASE, SJCIT


Signature of Coordinator

Dr. M V Suresh Gowda

Associate Professor

Dept. of ASE, SJCIT


Signature of HOD

Dr. Madhusudhana S V

Associate Prof. & HOD

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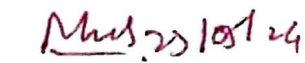
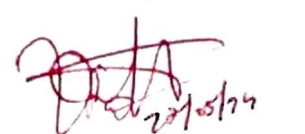
PROFESSOR & HEAD
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EXTERNAL VIVA

Name of the Examiners:

1.  M U S U R E S H G O W D A
2. KASHI VISHWANATH M.H

Signature of the Examiners:

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S J C INSTITUTE OF TECHNOLOGY

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CHICKBALLAPUR - 562 101, KARNATAKA

DEPARTMENT OF AEROSPACE ENGINEERING



CERTIFICATE

This is to certify that the Internship Work entitled "3D PRINTING AND FABRICATION OF COMPOSITE MATERIALS" is a bonafide work carried out by ABHIJEETH BISWAS (1SJ20AS002) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that they have completed the Internship satisfactorily.


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Signature of Guide

Dr. RAVI KUMAR M

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M.S.V. S.V. 22/5/24
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Name of the Examiners:

1. Dr. M V SURESH GOWDA
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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



INTERNSHIP REPORT

on

“3D PRINTING AND FABRICATION OF COMPOSITE MATERIALS”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

ABHIJEETH BISWAS

1SJ20AS002

Internship carried out at:

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DEPARTMENT OF AEROSPACE ENGINEERING

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CHICKBALLAPUR – 562 101

2023-24



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Associate Professor

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Dr. CHANDRA MOHAN H K

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2023-24

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CHICKBALLAPUR - 562 101, KARNATAKA

DEPARTMENT OF AEROSPACE ENGINEERING



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Signature of Guide

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2. KASHIVISHWANATHA M.H.

Signature of the Examiners:

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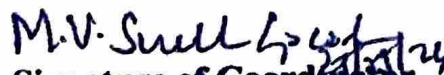
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Signature of Guide

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Associate Professor

Dept. of Aerospace Engineering,
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Signature of Coordinator

Dr. M V SURESH GOWDA

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Dr. MADHUSUDANA S V

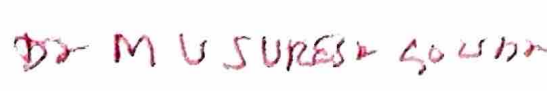
Associate Professor & Head

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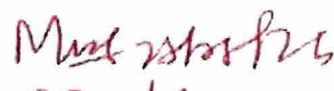
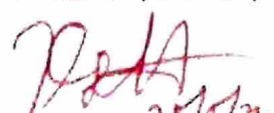
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CHICKBALLAPUR-562101.

EXTERNAL VIVA

Name of the Examiners:

1. 
2. 

Signature of the Examiners:



INTERNSHIP REPORT

on

"CNC MACHINE LEARNING & QUALITY CONTROL"

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

AKSHAY KRISHNA M L

1SJ20AS005

Internship carried out at:

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NARASAPURA

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Manager

Mahindra

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CHICKBALLAPUR - 562 101

2023-24

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CERTIFICATE

This is to certify that the Internship Work entitled "CNC MACHINE LEARNING & QUALITY CONTROL" is a bonafide work carried out by AKSHAY KRISHNA M L (1SJ20AS005) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that he has completed the Internship satisfactorily.

M.V. Suresh Gowda
Signature of Guide/Coordinator

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Name of the Examiners:

1. *Dr M V Suresh Gowda*
2. *KASHI VISWANATHAN*

Signature of the Examiners:

Madhusudana S V
Kashi Viswanathan



INTERNSHIP REPORT

on

“APPLICATION OF COMPOSITES IN AEROSPACE”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

ABHISHEK L 1SJ20AS003

Internship carried out at:

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



INTERNSHIP REPORT

ON

“LIGHT COMBAT AIRCRAFT-TEJAS”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

ARYA RAJ

1SJ20AS006

Internship carried out at:

HINDUSTAN AERONAUTICS LIMITED

UNDER THE GUIDANCE OF

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EXTERNAL GUIDE:

Mr. Krishnapal.P

Senior Manager,

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DEPARTMENT OF AEROSPACE ENGINEERING

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2023-24

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DEPARTMENT OF AEROSPACE ENGINEERING

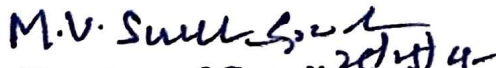


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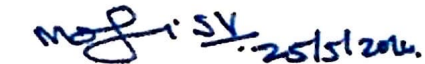
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Signature of Guide

Dr. Madhusudhana S V
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Signature of Coordinator

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Asso. Professor
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Dr. Madhusudhana S V
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1. Dr. M V SURESH GOWDA
2. KASHIVISHWANATH

Signature of the Examiners:




VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



INTERNSHIP REPORT

ON

“LIGHT COMBAT AIRCRAFT-TEJAS”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

BANUPRASAD T V

ISJ20AS007

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DEPARTMENT OF AEROSPACE ENGINEERING

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CHICKBALLAPUR – 562 101

2023-24

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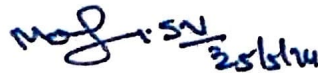
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DEPARTMENT OF AEROSPACE ENGINEERING

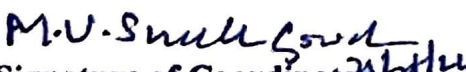


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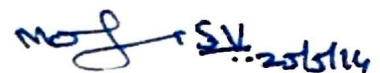
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Signature of Guide

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Signature of Coordinator

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Signature of HOD

Dr. Madhusudhana S V
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EXTERNAL VIVA

Name of the Examiners:

1. Dr. M V SURESH GOWDA
2. KASHIVISHWANATH M H.

Signature of the Examiners:




VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



INTERNSHIP REPORT

on

“HAVEUS AEROTECH INTERNSHIP”

*Submitted in partial fulfilment of the Requirement
for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

BHARATH BHEEMESH 1SJ20AS008

Internship carried out at:

HAVEUS AEROTECH INDIA PVT LTD

UNDER THE GUIDANCE OF

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EXTERNAL GUIDE:

Manish

Senior Manager,

R&D Division,

HaveUs Aerotech Pvt Ltd



DEPARTMENT OF AEROSPACE ENGINEERING

S J C INSTITUTE OF TECHNOLOGY

CHICKBALLAPUR – 562 101 2023-24

S J C INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF AEROSPACE ENGINEERING



CERTIFICATE

This is to certify that the Internship Work entitled "HAVEUS AEROTECH INTERNSHIP" is a bonafide work carried out by BHARATH B (1SJ20AS008) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that they have completed the Internship satisfactorily.

Madhusudhana S V

Signature of Guide

Dr. Madhusudhana S V

Asso. Professor & HOD

Dept. Of Aerospace Engg.,

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M.V. Suresh Gowda

Signature of Coordinator

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2. *KASHIVISHWANATH M H.*

Signature of the Examiners:

M U Suresh Gowda
Dr. Kashivishwanath M H.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



INTERNSHIP REPORT

on

“AGRICULTURAL DRONE MANUFACTURING AND ASSEMBLY”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

HEMANTH V 1SJ20AS010

Internship carried out at:

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HOD of Manufacturing Dept.

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2023-24

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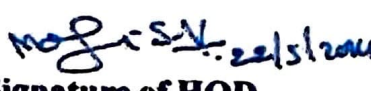


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This is to certify that the Internship Work entitled "AGRICULTURAL DRONE MANUFACTURING AND ASSEMBLY" is a bonafide work carried out by HEMANTH V (1SJ20AS010) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that he has completed the Internship satisfactorily.


Signature of Guide
Dr. N MURUGAN
Assistant professor
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Signature of Coordinator
Dr M V Suresh Gowda
Associate Professor
Dept. of ASE, SJCIT


Signature of HOD
Dr Madhusudhana S V
Associate Prof. & HOD
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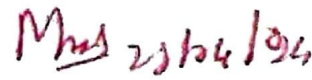
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EXTERNAL VIVA

Name of the Examiners:

1. Dr M V Suresh Gowda
2. KASHI VISHWANATH M H

Signature of the Examiners:






INTERNSHIP REPORT

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“APPLICATION OF COMPOSITE IN AEROSPACE”

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KUSHAL K S

1SJ20AS011

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Signature of Guide

Dr. MURUGAN N

Assistance Professor

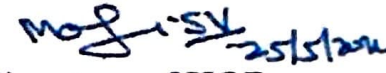
Dept. of Aerospace Engineering,
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Signature of Coordinator

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EXTERNAL VIVA

Name of the Examiners:

1. Dr. M. Suresh Gowda

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Signature of the Examiners:





INTERSHIP REPORT

on

"3D PRINTING AND FABRICATION OF COMPOSITE MATERIALS"

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

PRAJWALKUMAR

1SJ20AS012

Internship carried out at:

**BGS RESEARCH AND DEVELOPMENT CENTRE, SJC INSTITUTE OF
TECHNOLOGY, CHICKBALLAPUR**

UNDER THE GUIDANCE OF

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Associate Professor

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EXTERNAL GUIDE:

Dr. CHANDRA MOHAN H K

Research Associate

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S J C INSTITUTE OF TECHNOLOGY

CHICKBALLAPUR – 562 101

2023-24

S J C INSTITUTE OF TECHNOLOGY

VTU Affiliated, AICTE Approved, Accredited by NAAC & NBA (CSE, ECE, ME), Gold rated by QS I - Gauge

CHICKBALLAPUR - 562 101, KARNATAKA

DEPARTMENT OF AEROSPACE ENGINEERING



CERTIFICATE

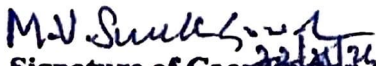
This is to certify that the Internship Work entitled "3D PRINTING AND FABRICATION OF COMPOSITE MATERIALS" is a bonafide work carried out by PRAJWALKUMAR(1SJ20AS012) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that they have completed the Internship satisfactorily.


Signature of Guide

Dr. RAVI KUMAR M

Associate Professor

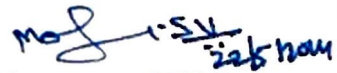
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Signature of HOD

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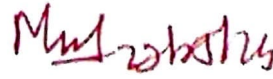
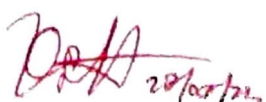
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EXTERNAL VIVA

Name of the Examiners:

1. Dr M V SURESH Gowda
2. KASHIVISHWANATH.

Signature of the Examiners:

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BELAGAVI – 590018



INTERNSHIP REPORT

On

“INTERNATIONAL STANDARD ATMOSPHERE”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

In

AEROSPACE ENGINEERING

Submitted By

PRAMOD S CHIGARI

1SJ20AS013

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MISSION AND COMBAT SYSTEMS RESEARCH AND DESIGN CENTRE

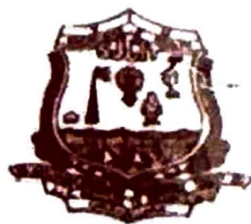
of

HINDUSTAN AERONAUTICS LIMITED

UNDER THE GUIDANCE OF

INTERNAL GUIDE
DR. ELAVARASAN E
Associate Professor
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EXTERNAL GUIDE
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Deputy General Manager
MCSRDC Division
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S J C INSTITUTE OF TECHNOLOGY
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2023 - 24



INTERNSHIP REPORT

on

"CNC Machine operation and Inspection"

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

R NIHAL

ISJ20AS014

Internship carried out at:

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EXTERNAL GUIDE:

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S J C INSTITUTE OF TECHNOLOGY

CHICKBALLAPUR - 562 101

2023-24

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CHICKBALLAPUR - 562 101, KARNATAKA

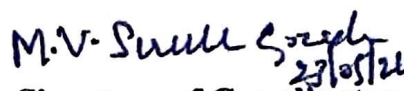
DEPARTMENT OF AEROSPACE ENGINEERING

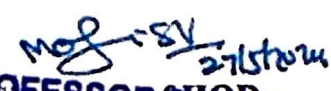


CERTIFICATE

This is to certify that the Internship Work entitled "INTERNATIONAL STANDARD ATMOSPHERE" is a bonafide work carried out by PRAMOD S CHIGARI (1SJ20AS013) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that he has completed the Internship satisfactorily.


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EXTERNAL VIVA

Name of the Examiners:

Signature of the Examiners:

1. Dr M V SURESH GOWDA



2. KASHI VISHWANATH M H.





INTERNSHIP REPORT
on
**"DESIGN AND ANALYSIS ON CFEEES FIREFIGHTING
DRONE"**

*Submitted in partial fulfilment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING
in
AEROSPACE ENGINEERING

Submitted By

SHREYAS AJIT SHIVANGEKAR
1SJ20AS015

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SPACE FIELDS PVT. LTD.

UNDER THE GUIDANCE OF

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Assistant Professor

Dept. of Aerospace Engineering,
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EXTERNAL GUIDE:
Mr. Sudarshan Samal
Chief Technology Officer
Space Fields Pvt. Ltd.
Bengaluru



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CERTIFICATE

This is to certify that the Internship Work entitled "CNC Machine Operation and Inspection" is a bonafide work carried out by R NIHAL (1SJ20AS014) is student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that he has completed the Internship satisfactorily.

M.V. Suresh Gowda

Madhusudhan S V

Signature of Coordinator /Guide	Signature of HOD
Dr. M. V. Suresh Gowda	Dr. Madhusudhan S V
Professor, Department of Aerospace Engineering	Associate Professor , Department of Aerospace Engineering

EXTERNAL VIVA

Name of the Examiners:

- Dr. M V Suresh Gowda
- KASHI VISWANATH. M.H.

PROFESSOR & HEAD
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CHICKBALLAPUR-562101.

Signature of the Examiners:

Mul 23/04/24

23/05/24

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CHICKBALLAPUR - 562 101, KARNATAKA

DEPARTMENT OF AEROSPACE ENGINEERING



CERTIFICATE

This is to certify that the Internship Work entitled "**DESIGN AND ANALYSIS ON CFES FIREFIGHTING DRONE**" is a bonafide work carried out by **SHREYAS AJIT SHIVANGEKAR (1SJ20AS015)** is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in aerospace in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that he has completed the Internship satisfactorily.

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Dr. M V SURESH GOWDA

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Signature of Head
PROFESSOR & HEAD
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CERTIFICATE

This is to certify that the Internship Work entitled "CNC Machine Operation and Inspection" is a bonafide work carried out by SOWMYA. G (1SJ20AS016) is bonafide student of SJC Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that she have completed the Internship satisfactorily.

M.V. Suresh Gowda
Signature of coordinator/Guide

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Madhusudhana S V
Signature of HOD

Dr. Madhusudhana S V

Associate Professor & HOD

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Name of the Examiners:

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2. KASHI VISHWANATH

Signature of the Examiners:

Madhusudhana S V
Kashi Vishwanath

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BELAGAVI-590018



INTERNSHIP REPORT

on

“CNC Machine Operation and Inspection”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

SOWMYA G

ISJ20AS016

Internship carried out at:

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UNDER THE GUIDANCE OF

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Dept. of ASE, SJCIT

EXTERNAL GUIDE:

Mr. Shagi Edichera

Managing Director

A D I T I

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DEPARTMENT OF AEROSPACE ENGINEERING
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CHICKBALLAPUR-562101
2023-24



INTERNSHIP REPORT

on

"3D PRINTING AND FABRICATION OF COMPOSITE MATERIALS"

*Submitted in partial fulfillment of the
Requirement for the Award of*

**BACHELOR OF ENGINEERING
in
AEROSPACE ENGINEERING**

Submitted By

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1SJ20AS017

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Dr. CHANDRA MOHAN H K

Research Associate

BGS R and D Center

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DEPARTMENT OF AEROSPACE ENGINEERING

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CHICKBALLAPUR - 562 101

2023-24

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CHICKBALLAPUR - 562 101, KARNATAKA

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Signature of Guide

Dr. ELAVARASAN E

Assistant Professor

Dept. of Aerospace Engineering,
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Signature of Coordinator

Dr. M V SURESH GOWDA

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Dept. of Aerospace Engineering,
SJCIT


Signature of HOD

Dr. MADHUSUDANA S V

Associate Professor & Head

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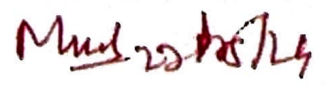
PROFESSOR & HEAD
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EXTERNAL VIVA

Name of the Examiners:

1. Dr M V SURESH GOWDA
2. KASHIVISHWANATH.

Signature of the Examiners:




VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590 018



INTERNSHIP REPORT

on

“DESIGN AND ANALYSIS OF A NOTRE MODEL SUBSONIC WIND TUNNEL”

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

UNGARALA DIVYASWETHA

1SJ20AS018

Internship carried out at:

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EXTERNAL GUIDE:

Mr. B.V. Subba Rao

Scientist ‘E’

DRDL, Hyderabad.



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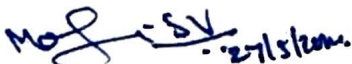
CHICKBALLAPUR - 562 101, KARNATAKA

DEPARTMENT OF AEROSPACE



CERTIFICATE

This is to certify that the Internship Work entitled “**DESIGN AND ANALYSIS OF A NOTRE MODEL SUBSONIC WIND TUNNEL**” is a bonafide work carried out by **UNGARALA DIVYASWETHA (ISJ20AS018)** is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that she has completed the Internship satisfactorily.


Signature of Guide

Dr. Elavarasan E

Assistant Professor

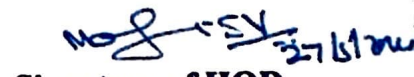
Dept. of Aerospace Engg, SJCIT


Signature of Coordinator

Dr. M V Suresh Gowda

Professor

Dept. of Aerospace Engg, SJCIT

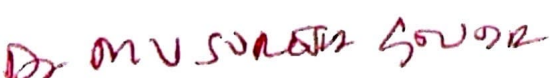
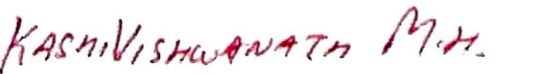

Signature of HOD

PROFESSOR & HEAD
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EXTERNAL VIVA

Name of the Examiners:

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2. 

Signature of the Examiners:






INTERNSHIP REPORT

on

"Tool Design and Tool Quality Control"

*Submitted in partial fulfillment of the
Requirement for the Award of*

BACHELOR OF ENGINEERING

in

AEROSPACE ENGINEERING

Submitted By

VARUN S S 1SJ20AS019

Internship carried out at:

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UNDER THE GUIDANCE OF

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Assistance Professor

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EXTERNAL GUIDE:

Jagadeesh D J

Deputy Manager

Mahindra Aerospace, Naraspura



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S J C INSTITUTE OF TECHNOLOGY

CHICKBALLAPUR - 562 101

2023-24

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CHICKBALLAPUR - 562 101, KARNATAKA

DEPARTMENT OF AEROSPACE ENGINEERING



CERTIFICATE

This is to certify that the Internship Work entitled "CNC MACHINE LEARNING & QUALITY CONTROL" is a bonafide work carried out by VARUN S S (1SJ20AS019) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Aerospace Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that he has completed the Internship satisfactorily.


Signature of Guide
Dr. N MURUGAN
Assistant professor
Dept. of ASE, SJCIT


Signature of Coordinator
Dr M V Suresh Gowda
Associate Professor
Dept. of ASE, SJCIT

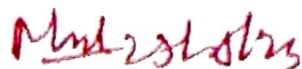

Signature of HOD
PROFESSOR & HEAD
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EXTERNAL VIVA

Name of the Examiners:

1. Dr M V SURESH GOWDA
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Signature of the Examiners:





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CERTIFICATE

This is to certify that the Internship Work entitled "CONVENTIONAL MACHINES" is a bonafide work carried out by VIJAY S T (1SJ20AS020) is bonafide student of S J C Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. It is certified that they have completed the Internship satisfactorily.

Signature of Guide

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ASSOCIATE PROFESSOR

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M.V. Suresh Gowda

Signature of Coordinator

Dr. SURESHA GOWDA M V

PROFESSOR

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Signature of the Examiners:

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2. KASHIVISHWANATH M. H

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BELAGAVI -- 590018



INTERNSHIP REPORT
On
“CONVENTIONAL MACHINES”

*Submitted in partial fulfillment of the
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In
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Submitted By

VIJAY S T

1SJ20AS020

Internship carried out at:

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UNDER THE GUIDANCE OF

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EXTERNAL GUIDE
Mr. UMESH CHOWGALA
Project Manager
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DEPARTMENT OF AEROSPACE ENGINEERING
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2023 - 24