

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI, 590018**



Project report on

**POWER GENERATION BY USING TWO WHEELER
SUSPENSION SYSTEM**

Submitted in partial fulfilment of the requirements for the award of
Bachelor of Engineering

IN

MECHANICAL ENGINEERING

Submitted By

DIVAKARABABU G S

GURUKIRAN K

KIRAN

MAHANTHESHA M H

1MV21ME410

1MV21ME411

1MV21ME416

1MV21ME420

Under the guidance of
Dr.L Sampath kumar
Assistant Professor



DEPARTMENT OF MECHANICAL ENGINEERING

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGULURU

Academic year: 2023-2024


SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "POWER GENERATION BY USING TWO WHEELER SUSPENSION SYSTEM" bonafide work carried out by DIVAKARABABU G S 1MV21ME410, GURUKIRAN K 1MV21ME411, KIRAN 1MV21ME416, MAHANTHESHA M H 1MV21ME420, in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2023-2024. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Dr. L Sampath Kumar

Assistant Professor

Mech Engg

Sir M V I T, Bengaluru

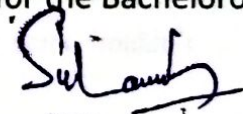


Dr. K S Shanmukharadhya

Professor and Head

Dept. of Mech Engg

Sir M V I T, Bengaluru



PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsarasanahalli
International Airport Road, Bengaluru-562157

PRINCIPAL

Sir M V I T,


Bengaluru


Names of the Examiner

1. Dr. Narayana Swamy. G

2. Ramesh C C

Signature with date

 28/05/2024

 28.05.2024

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI, 590018**



project report on

**DESIGN AND FABRICATION OF SOLAR POWER BASED WEED
REMOVING MACHINE USING BLUETOOTH & IOT.**

Submitted in partial fulfillment of the requirements for the award of

Bachelor of Engineering

IN

MECHANICAL ENGINEERING

Submitted By

SAI TARAKRAM V	1MV21ME437
SHIV KUMAR	1MV21ME438
SURESH A	1MV21ME441
SYED SUHEL SIDDIQH	1MV21ME442

Under the Guidance of
Dr H S Yeshvanth
professor



DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

Academic year: 2023 - 24


SIR M.VISVESVARAYAINSTITUTE OF TECHNOLOGY
BENGALURU-562157

DEPARTMENT OF MECHANICAL
ENGINEERING




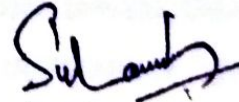
CERTIFICATE

Certified that the project work entitled **“DESIGN AND FABRICATION OF SOLAR POWER BASED WEED REMOVING MACHINE USING BLUETOOTH & IOT.”** bonofide work carried out by **SAI TARAKRAM V1MV21ME437, SHIV KUMAR 1MV21ME438, SURESH A 1MV21ME441 ,SYED SUHEL SIDDIQH 1MV21ME442**, in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Dr H S Yeshvanth
professor

Mech Engg
Sir M V I T, Bengaluru


Dr. K S Shanmukharadhy
Professor and Head
Dept of Mech Engg
Sir M V I T, Bengaluru



Prof. RAMNAGAR
PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krisnabellur, Hunsur, Mysore
International Airport Road, Bangalore-562 157
Sir M V I T,
Bengaluru

Names of the Examiner

Signature with date

1.....

2.. Ramnagar


28.05.2024

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI -590018



A Project Report on
“IOT ENABLED MULTI PURPOSE
AGRICULTURE MACHINE”

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

BACHELOR OF ENGINEERING IN
MECHANICAL ENGINEERING

Submitted by

MAHESH R
DARSHAN
UMESH S
YOGESH H K

1MV21ME421
1MV21ME408
1MV21ME446
1MV21ME450

Under the Guidance of
Dr MADHU KUMAR K
Assistant Professor, Mechanical Engineering Department



DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic Year: 2023-24

**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY,
BENGALURU
DEPARTMENT OF MECHANICAL ENGINEERING**

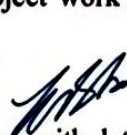


CERTIFICATE

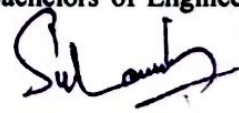
This is to certify that the project work entitled "IOT ENABLED MULTI PURPOSE AGRICULTURE MACHINE" is a bonafide work carried out by **MAHEHS R 1MV21ME421, DARSHAN 1MV21ME408, UMESH S 1MV21ME446 & YOGESH H K1MV21ME450** in partial fulfillment for the award of Degree of Bachelor of Engineering in Mechanical Engineering under Visvesvaraya Technological University, Belgaum during the year 2020-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelors of Engineering Degree.


Signature with date 27/5/24

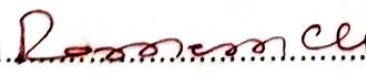
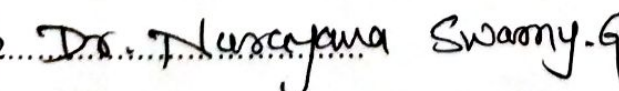
Dr Madhu Kumar K
Assistant Professor
Dept. of Mechanical Engineering
Sir MVIT, Bangalore


Signature with date


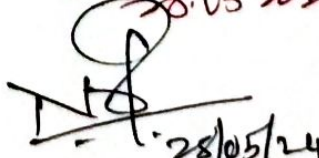
Dr. K S Shanmukharadhya
Professor & HOD
Dept. of Mechanical Engineering
Sir MVIT, Bangalore


Signature with date
PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunsur, Hosur Taluk, Channarayana Halli
International Airport Road, Bangalore-562 157
Principal
Sir MVIT, Bangalore

Name of Examiner

1. 
2. 

Signature with Date


28/05/24

28/05/24

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**A Internship Report
On
"MANUFACTURING OF RAIL WHEEL, AXLES AND WHEEL SETS"**

Submitted in partial fulfilment of the requirements for the award of
**BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING**

Submitted By
AJAYKANTH GV
1MV21ME400

Under the guidance of
Mrs. Asha Rani A
Assistant Professor
Department of Mechanical Engineering



**DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGULURU
Academic year: 2023-2024**


SIR M.VISVESVARAYA INSTITUTE OF
TECHNOLOGYBENGALURU-562157


DEPARTMENT OF MECHANICAL ENGINEERING

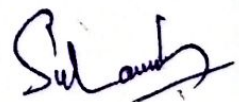


CERTIFICATE


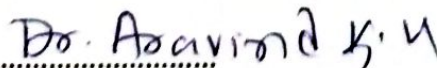
It is certified that the Internship work entitled **"MANUFACTURING OF RAIL WHEELS, AXLES AND WHEEL SETS"** is a bonafide work carried out by **AJAYKANTH G V (1MV21ME400)** in partial fulfilment for the award of the Degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya technological University, Belagavi during the year **2023-2024**. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of **Internship (18MEI85)** prescribed for the course of Bachelor of Engineering


Mrs. Asha Rani A
Assistant Professor
Dept. Mech Engg
Sir MVIT, Bengaluru


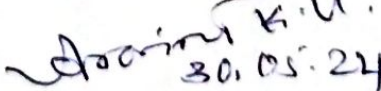

Dr. K S Shanmukharadhya
Professor and Head
Dept. of Mech Engg
Sir MVIT, Bengaluru


PRINCIPAL
Prof. Rakesh S G
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hosur Road, Bangalore-562 157
PRINCIPAL
Sir MVIT,
Bengaluru

Names of the Examiner

1. 
.....
2. 
.....

Signature with date



30.05.24



**RAIL WHEEL FACTORY
INDIAN RAILWAYS**

(GOVT OF INDIA)
YELAHANKA, BANGALORE - 560064

(AN ISO: 9001-2015, ISO:14001-2015 & OHSMS:45001-2018 CERTIFIED PRODUCTION UNIT)

Sl. No: RWF/MTTC/23-24/51-50

DATE: 12/09/2023

Certificate

This is to certify that Mr./Ms.....AJAYKANTH G V Regn. No.....IMV21ME400 Course.....BE
.....Branch.....MECHANICAL ENGINEERING.....III..... Year Student of.....SIR M. VISVESVARAYA
INSTITUTE OF TECHNOLOGYhas undergone INTERNSHIP TRAINING on MANUFACTURING OF
RAIL WHEELS, AXLES & WHEEL SETS and Successfully completed the same during the period
from11/08/2023 ...to....10/09/2023.....at Rail Wheel Factory.

SSE/TTC
Technical Training Centre
RWF Bangalore-64
आर० व्हेल फैक्टरी / त्रिपुरा
Senior Section Engineer / TTC
हो. शिक्षा, बंगलूर - (महिला - १०)

3437 12/9/23
Dy. CME-TQM Principal
Technical Training Centre
RWF, Bangalore-64
आर० व्हेल फैक्टरी / त्रिपुरा

PRINCIPAL / T.T.C
Rail Wheel Factory (Indian Railways)
बंगलूर, बंगलूर - 560 064.
Yelahanka, Bangalore - 560 064

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



VIII Semester B.E. (Mechanical Engineering) Internship Report “SLV CNC TECHNOLOGIES.”

Submitted by
APSAR GM 1MV21ME402

Under the Guidance of
Internal Guide: **CHANDRASEKHAR B**
Assistant Professor, Department of Mechanical Engineering.



DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU


Academic year: 2023-24


SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
DEPARTMENT OF MECHANICAL ENGINEERING

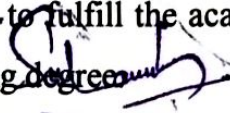


CERTIFICATE

This is to certify that **Mr. APSAR G M**, USN: **1MV21ME402** a student of VIII semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at **SLV CNC TECHNOLOGIE. LTD.** and has submitted the report to fulfill the academic requirement of Internship for the Bachelor of Engineering degree.


CHANDRASEKHAR B
Assistant Professor
Dept of Mech Engg
MVIT, Bengaluru

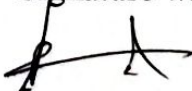

Dr. K S Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Mysore-562157
International Airport Road, Sir MVIT, Bengaluru-562157
Dr. Rakesh S G
Principal
Sir MVIT, Sir
Bengaluru

Names of the Examiners

1. Ashwani A
2. Dr. Aravind K. U

Signature with Date


Dr. Aravind K. U
30.5.24

CERTIFICATE

Ref:GSTIN:29ADBFS4293B1Z2

Date: 09-09-2023

"TO WHOM SO EVER IT MAY CONCERE"

This is to certify that **MR. APSAR G.M (1MV21ME402)** the student of **SIR M VISVESVARAYA INSTITUTION OF TECHNOLOGY- 562157** studying in **MECHANICAL ENGINEERING** has successfully completed the **"INTERNSHIP"** on **"SLV CNC TECHNOLOGIES"** in our organization as part of curriculum for a period **14/08/2023** to **09/09/2023** , under the guidance of **MR.RAMANNA K ,Team Leader, Production Department.**

We wish all success in his future endeavor.

For SLV CNC Technologies


SLV CNC TECHNOLOGIES
#138-137/7, 3rd Phase
8th Main Road, Peenya Indi Area
BANGALORE-560 058
Authorized signatory

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama," Belagavi-590 018



Internship Report
on
"STOCKPORT | PREDICTIVE SENTIMENT ANALYSIS"

submitted in partial fulfilment of the requirements for the award of the degree of

BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING

Submitted by

ARAVIND C B
USN:1MV21ME403

Under the Guidance of
Internal Guide: **DR. G BALAKUMAR**
Associate Professor, Department of Mechanical Engineering.



Department of Mechanical Engineering

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)


Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157


Department of Mechanical Engineering

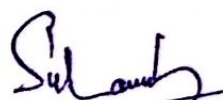


CERTIFICATE

Certified that the internship entitled “**STOCKPORT | PREDICTIVE SENTIMENT ANALYSIS**” carried out by **Mr. ARAVIND C B**, USN 1MV21ME403, a Bonafide student of **SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Bengaluru** in partial fulfilment for the requirements for the award of the degree of **Bachelor of Engineering in Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year **2023-2024**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the above-mentioned degree.


Signature of Guide
Dr. G Balakumar




Signature of HOD
Dr. K S Shanmukharadhya

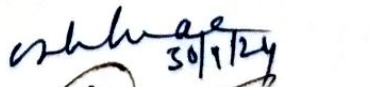
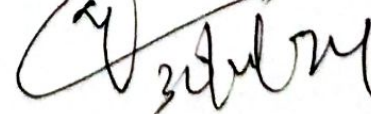

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Humamaramanahalli
Bengaluru-562157
Signature of Principal
Prof. Rakesh S G

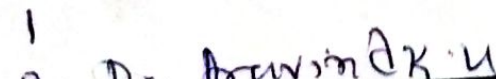

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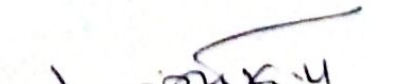
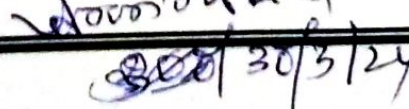
Name of Examiners

Signature with Date

1. 
2. 

 30/1/24


1. 
2. 

 30/3/24




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Communicate. Collaborate. Create

CERTIFICATE OF INTERNSHIP

This is to certify that **Aravind C B** whose USN is **1MV21ME403**, has completed their **Machine Learning With Python (Research Based)** Internship organised and handled by **Varcons Technologies Pvt. Ltd** from **13th August, 2023** to **20th September, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Stockport — Predictive Sentiment Analysis**. As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highlighting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, [CLICK HERE](#)



18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



VIII Semester B.E. (Mechanical Engineering) Internship Report “GOVT, TOOL ROOM & TRAINING CENTRE.”

Submitted by

BHARATHA (1MV21ME404)

Under the Guidance of

Internal Guide : **CHANDRASHEKAR B**

Assistant Professor, Department of Mechanical Engineering.



**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU**


Academic year: 2023-24


**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157 DEPARTMENT OF MECHANICAL
ENGINEERING**




CERTIFICATE

This is to certify that **Mr. BHARATHA**, USN: **1MV21ME404** a student of VIII semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at **"GOVT, TOOL ROOM & TRAINING CENTRE."** and has submitted the report to fulfill the academic requirement of Internship for the Bachelor of Engineering degree.


Chandrashekar.B
Assistant Professor
Dept of Mech Engg
MVIT, Bengaluru


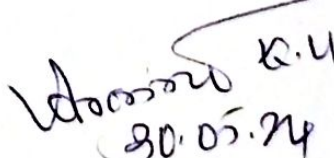

Dr K S Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157
Dr Rakesh
Principal
Sir MVIT, Sir
Bengaluru

Names of the Examiners

1. Asha Rani A
2. Dr. Anand K. Y

Signature with Date



30.05.24



ಸರ್ಕಾರಿ ಉಪಕರಣಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ

Govt. Tool Room & Training Centre

Plot No. 01, M.G. Road, Darshanapur Layout, Sangtrassadi, Kalaburagi - 585 101
Phone: 08472-295163 website : www.karnataka.gov.in/gttrc Email : gttrc@karnataka.gov.in

Our Ref

GTTC/PRINCIPAL/TRG/KLB/2022-23

Date : 12-09-2023

TO WHOM SO EVER IT MAY CONCERN

CERTIFICATE OF COMPLETION

This is to certify that **MR.BHARATHA(USN: 1MV21ME404)** student of **SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU** have undergone Internship training in the **CAD/CAM (NX & CNC)**. He has successfully completed the course at **GTTC KALABURAGI** for the partial fulfillment of their VI-Semester B.E Mechanical Engineering in duration from 11.8.2023 to 10.09.2023

HOD COE
GTTC KALABURGI

PRINCIPAL
GTTC KALABURAGI

UNIT HEAD
GTTC KALABURAGI



Head Office : Rajajinagar Industrial Estate, Bangalore - 560 010
Bangalore : Tel : 23352118, 23356675, Telex : 0845-6438 Grams : G.T.T.C. Fax : 91-080-23301683,
A Scientific & Industrial Research Organisation, Recognised by Govt. of India

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI**



**Internship Report On
SENTIMENT ANALYSIS OF LOCKDOWN
IN USA DURING COVID-19 A CASE
STUDY ON TWITTER USING ML**

BACHELOR OF ENGINEERING IN MECHANICAL

Under the Guidance of
Internal Guide: DR.G.BALAKUMAR

Submitted by :
NAME : DANESH UPPALADINNI
USN : 1MV21ME407

Conducted at
VARCONS TECHNOLOGIES PVT. LTD



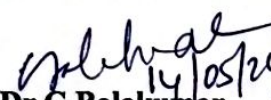
**Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
BENGALURU-562157**

**Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
BENGALURU**




CERTIFICATE

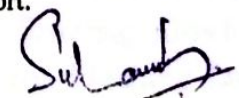
This is to certify that the Internship titled “SENTIMENT ANALYSIS OF LOCKDOWN IN USA DURING COVID-19 A CASE STUDY ON TWITTER USING ML ” carried out by **DANESH UPPALADINNI (1MV21ME407)**, a bonafide student of The Sir M Visvesvaraya Institute of technology college of Engineering, in partial fulfillment for the award of Bachelor of Engineering, in Mechanical under Visvesvaraya Technological University, Belagavi, during the year 2023-2024. It is certified that all corrections/suggestions indicated have been incorporated in the report.


Dr. G Balakumar
Associate Professor
Dept. Of Mech Engg
Sir MVIT, Bengaluru

Signature of Guide


Dr. K S Shanmukharadhy
Professor And HOD
Dept. Of Mech Engg
Sir MVIT, Bengaluru

Signature of HOD


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishna Nagar, Hosur Road, Bangalore-562 157
Principal
Sir MVIT, Bengaluru

Signature of Principal

External Viva:

Name of the Examiner

1) Asha Kumar A

2) _____

Signature with Date


30/5/24



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CERTIFICATE OF INTERNSHIP

This is to certify that **Danesh Uppaladinni** whose USN is **1MV21ME407**, has completed their **Machine Learning With Python (Research Based)** Internship organised and handled by **Varcons Technologies Pvt. Ltd** from **13th August, 2023** to **20th September, 2023**.

The person to whom this certificate is addressed to has worked on a project titled **Sentiment Analysis Of Lockdown In India During Covid-19 : A Case Study**, As part of the project, They designed the Machine Learning Model, Demonstrated and tested the working of the Model, Prepared a report highlighting its flaws by understanding the design briefs and client Specifications that were provided in the Proposal.

During the course of the internship, they demonstrated good design skills with a self-motivated attitude to learning new things. Their performance exceeded expectations and was able to complete the project successfully on time.

To verify this certificate, [CLICK HERE](#)



213

18 M G Road, Ulsoor, Bangalore-560001

www.varconstech.com

contact@varconstech.com

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



VIII Semester B.E. (Mechanical Engineering) Internship Report
“PRAGANYA TECHNOLOGY PVT. LTD.”

Submitted by

DARSHAN N 1MV21ME408

Under the Guidance of
Internal Guide : **DR. MADHU KUMAR K**
Assistant Professor, Department of Mechanical Engineering.



DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU


Academic year: 2023-24

**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157 DEPARTMENT OF
MECHANICAL ENGINEERING**

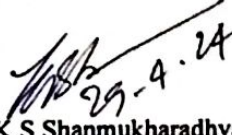


CERTIFICATE

This is to certify that Mr. DARSHAN N, USN: 1MV21ME408 a student of VIII semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at "PRAGANYA TECHNOLOGY PVT. LTD." and has submitted the report to fulfill the academic requirement of Internship for the Bachelor of Engineering degree.

 27/4/24

DR. MADHU KUMAR K
Assistant Professor
Dept of Mech Engg
MVIT, Bengaluru

 29-4-24

Dr K S Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru



PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, H. Hosur, Bangalore-562157
International Road, Bangalore-562157
Sir MVIT, Sir
Bengaluru

Names of the Examiners

1. 

2.

Signature with Date





PRAGNYA TECHNOLOGIES

Design & Manufacturing of Aerospace Components, Jigs & Fixture Toolings

No. : 46, 14th Cross, Thigalarapalya Main Road, Nandagokula, Industrial Layout,
Kartichanahalli, Near Peenya Industrial Area, Bangalore - 560058, e-mail : pragnyatech7892@gmail.com

Certificate for Internship

Date: 12/07/23.

Whomsoever it may concern

This is to certify that Sir / Smt. DARSHAN N.

(College : SIR.M.VIT, Hunsmaranahalli, IMV21ME408, Mechanical Branch)

has Successfully completed one month Aug - Sep 2023 internship program
at Pragnya Technologies.

During the period of her/ his internship program with us she/he had been
exposed to different process and was found diligent, hardworking and
inquisitive.

We wish Darshan N.. good luck for all future endeavors and look
forward to working with him again in future.

For PRAGNYA TECHNOLOGIES

PARTNER
Program Manager
(Pragnya Technologies)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama Belgavi-590018



Mini-Project Report on

**“Microstructural Analysis of Aluminium-Silicon Eutectic Alloy Using
Metallic Chills”**

Submitted in partial fulfillment of the requirements for the award of

Submitted by

KHIM BAHADUR SHINJAPATI 1MV21ME012

ARPAYAN SARKAR 1MV21ME007

PARTISTHA TIWARI 1MV21ME021

TANMAY PATHAK 1MV21ME028

Under the guidance of

Prof. G Balakumar

Associate Professor



DEPARTMENT OF MECHANICAL ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

DEPARTMENT OF MECHANICAL ENGINEERING



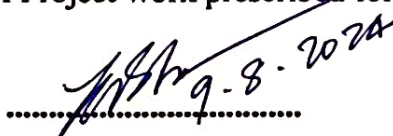
CERTIFICATE

Certified that the project work entitled “Microstructural Analysis of Aluminium And Silicon Eutectic Alloy Using Metallic chills” is completed by Khim Bahadeur(1MV21ME012), Arpayan Sarkar(1MV21ME007), Pratistha Tiwari(1MV21ME021), Tanmay Pathak (1MV21ME028), Bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belgavi during the year 2023-24. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Mini-Project Report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering degree.



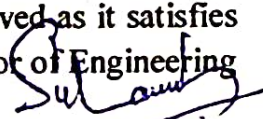
Signature of the Guide

Prof G Balakumar
Associate Professor

 9.8.2024

Signature of the HOD

Dr. K.S Shanmukharadhya
Professor and Head



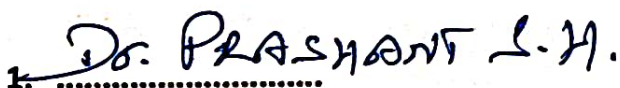
PRINCIPAL

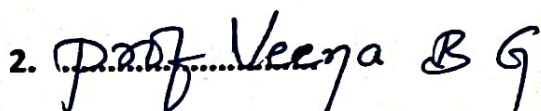
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsarayanahalli
International Airport Road, Bangalore-562 157

Prof. Rakesh S.G

Principal

Name of the Examiners

1. 

2. 

Signature with date





**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI –590018**



**Project Report on
“AI WEED REMOVAL ROBOT IN AGRICULTURE”**

**Bachelor of Engineering
IN
MECHANICAL ENGINEERING**

Submitted By

AKASH H	(1MV22ME400)
HARSHITH GOWDA S	(1MV22ME405)
RAKESH M	(1MV22ME411)
VIKAS B R	(1MV22ME415)

MECHANICAL ENGINEERING

Project carried out

Under the Guidance of

PRASHANTH L

**Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru**



**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2022-2023**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled **AI Weed Removing Robot In Agricultural** is a bonafide work carried out by **AKASH H (1MV22ME400), HARSHITH GOWDA S (1MV22ME405), RAKESH M (1MV22ME411), VIKAS B R (1MV22ME415)** in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Prashanth L
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157
Prof. Rakesh S G
PRINCIPAL

Sir MVIT, Bengaluru

Names of the Examiners

- 1.
- 2.

Signature with Date

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



Mini-Project Report on

“Modelling And Fabrication of Automated Metal Waste Segregation System”

**Submitted in partial fulfillment of the requirements for the award of
Bachelor of Engineering in Mechanical Engineering**

Submitted By

AFTHAB AHMED KH	1MV21ME001
ANIKETH KK	1MV21ME005
SUVINEETH A	1MV21ME027
VARUN R	1MV21ME029

Under the guidance of

Janardhana K

Associate Professor



DEPARTMENT OF MECHANICAL ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled “Modelling and fabrication of Automated Metal waste Segregation System” is presented by Afthab Ahmed KH (1MV21ME001), Aniketh KK (1MV21ME005), Suvineeth A (1MV21ME027), Varun R (1MV21ME029), Bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide 09.08.24

Janardhana K

Associate Professor

Signature of the HOD

Dr. K.S Shanmukharadhy

Professor and Head

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunsur, Mysore
International Airport Road, Bangalore-562 157

Signature of the Principal

Prof. Rakesh S.G

Principal

Name of the Examiners

Signature with date

1. Dr. Prashant S.H.

2. Prof. Veeya B G

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



Mini-Project Report on

“DESIGN AND FABRICATION OF BIRD DETERRENT FOR AGRICULTURE PURPOSE”

Submitted in partial fulfillment of the requirements for the award of

Submitted By

DHANUSH S M

1MV21ME009

KR PRATISH

1MV21ME010

KAVYANSH RAJPUT

1MV21ME011

POORNA CHANDRA

1MV21ME018

TEJASVI

Under the guidance of

RAMESH C G

Assistant Professor



DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

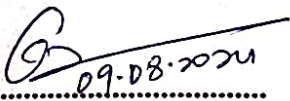
BENGALURU – 562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

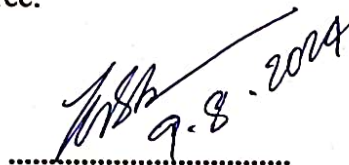
Certified that the project work entitled “Design and Fabrication of Bird Deterrent for Agriculture purpose” is presented by DHANUSH SM [1MV21ME009], KR PRATISH [1MV21ME010], KAVYANSH RAJPUT[1MV21ME011], POORNA CHANDRA TEJASVI[1MV21ME018] Bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering degree.


09.08.2024

Signature of the Guide

Ramesh CG


Assistant Professor


9.8.2024

Signature of the HOD

Dr. K.S Shanmukharadhya

Professor and Head


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsaranehalli
Inter City Road, Bangalore-562 157

Signature of the Principal

Rakesh S.G

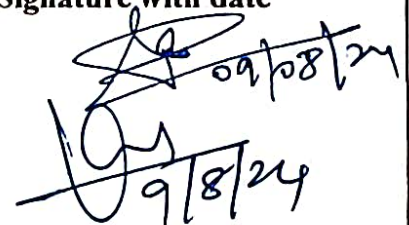
Principal

Name of the examiners

1.  S.H.

2.  B G

Signature with date


09/08/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



MINI PROJECT REPORT SOLAR POWER CUTTER

Submitted By

ANANTH KOTNIS

1MV21ME004

N SHYAM SAI

1MV21ME017

PRAJWAL JOSHI

1MV21ME019

SHRIKANTH

1MV22ME414

**Under the Guidance of
PROF. KUMAR SWAMY R
ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL ENGINEERING
SIR MVIT BANGLORE - 562157**



**DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU – 562157**

ACADEMIC YEAR 2023 – 2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU – 562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that Mr. ANANTH KOTNIS USN: 1MV21ME004, Mr. N SHYAM SAI USN 1MV21ME017, Mr. PRAJWAL JOSHI USN : 1MV21ME019, Mr. SHRIKANTH USN 1MV22ME414 students of VI semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the Mini project report on "SOLAR POWER CUTTER" and has submitted the report to full fill the academic requirement of Mini Project for the Bachelor of Engineering degree.

.....
Signature of Guide

Prof. Kumar Swamy R
Assistant Professor

.....
Signature of HOD

Dr. K.S Shanmukharadhya
Professor and Head

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Mysore
International Airport Road, Bangalore-562

Signature of Principal

Prof. Rakesh S.G
Principal

Name of the examiners

1. **Dr. Prashant S.H.**
2. **Prof. Veera B. G.**

Signature with date
 09/08/24

9/8/24

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



**Project report on
“SOLAR MOBILE CHARGER”**

Submitted in partial fulfilment of the requirements for the award of

**BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING**

Submitted By

AMAN K MADGAONKAR	1MV21ME003
KIRAN R	1MV21ME013
SAM PAUL JOSE	1MV21ME022
SHAGNIK BHATTACHARJEE	1MV21ME023

Under the Guidance of

Internal Guide: **Dr. K S SHANMUKHARADHYA**
Professor & Head, Department of Mechanical Engineering

Carried out at



**DEPARTMENT OF MECHANICAL ENGINEERING
SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU**

Academic year: 2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work Entitled **Solar Mobile Charger** is a bonafide work carried out by **Aman K Madgaonkar (1MV21ME003), Kiran R (1MV21ME013), Sam Paul Jose (1MV21ME022), Shagnik Bhattacharjee (1MV21ME023)** in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


Dr K S Shanmukharadhya

Professor and Head

Dept of Mechanical Engineering

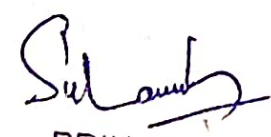
Sir MVIT, Bengaluru


Dr K S Shanmukharadhya

Professor and Head

Dept of Mechanical Engineering

Sir MVIT, Bengaluru


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunasamaranahalli
International Road, Bangalore-562 157

Sir MVIT, Bengaluru

Names of the Examiners

Signature with Date

1. .....

2. .....

 9/8/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



Mini-Project report on
**“Rescue Robot for Military purpose using PIR Sensor and
Metal detector Sensor”**

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Engineering

IN

MECHANICAL ENGINEERING

Submitted By

DATTA	IMV22ME402
GAGANESHWAR S	1MV22ME403
RANJITH H	1MV22ME412
RANJITH S R	1MV22ME413

Under the Guidance of

Mrs. Asha Rani A

Assistant professor

Department of mechanical engineering



DEPARTMENT OF MECHANICAL ENGINEERING

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

Academic year: 2023-24


CERTIFICATE




Certified that the project work entitled "RESCUE ROBOT FOR MILITARY PURPOSE USING PIR SENSOR AND METAL DETECTOR SENSOR" is a bonafide work carried out by DATTA (1MV22ME402), GAGANESHWAR (1MV22ME403), RANJITH. H (1MV22ME412), RANJITH. S R (1MV22ME413) in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2023-2024. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


9/8/2024
Mrs. Asha Rani A

Assistant Professor
Dept Of Mech. Engg.
Sir MVIT, Bengaluru



9.8.2024
Dr. K. S. Shanmukharadhya

Professor and Head
Dept Of Mech. Engg.
Sir MVIT, Bengaluru


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hynasamaranahalli
International Airport Road, Bangalore-562 157

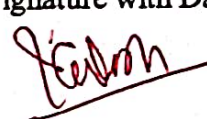
PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

1. 

2. 

Signature with Date

 9/8/24

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



**Mini-Project Report on
“SOLAR ADSORPTION SYSTEM”**

Submitted in partial fulfillment of the requirements for the award of

Bachelor of Engineering in Mechanical Engineering

Submitted By

SURYA KC

1MV21ME026

SUDARSHAN R

1MV21ME025

PRATIK KUMAR JHA

1MV21ME020

PRAVEEN

1MV22ME410

Under the guidance of
Prof. CHANDRASEKHAR B

Assistant Professor



**DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**

BENGALURU – 562157

2023-24

Signature with date

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Mini Project Report on

“SOLAR POWERED ATTA KNEADER”

Submitted in partial fulfillment of the requirements for the award

Of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

Submitted By

BALAKRISHNA

[1MV22ME401]

HEMANTH V

[1MV22ME406]

MADHUSUDHAN REDDY S

[1MV22ME407]

PAVAN KUMAR B

[1MV22ME409]

Under The Guidance Of

DR. V. SHANTHA

Professor



DEPARTMENT OF MECHANICAL ENGINEERING

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Banaglore-562157

Academic year: 2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "SOLAR POWERED ATTA KNEADER" is a bonafide work carried out by **BALAKRISHNA (1MV22ME401), HEMANTH.V (1MV22ME406), MADHUSUDHAN REDDY. S (1MV22ME407), PAVAN KUMAR. B (1MV22ME409)** in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Dr. V. Shantha
Professor
Dept of Mech. Engg.
Sir MVIT, Bengaluru

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech. Engg.
Sir MVIT, Bengaluru

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Mysore, Maranahalli
International Airport Road, Bangalore-562 157
Sir MVIT, Bengaluru

Names of the Examiners

Signature with Date

1.

2.

VIVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi – 590018



Mini-Project Report on

“T6 Heat Treatment and Micro-Structural Analysis of Yttrium Stabilized Zirconia Particulates Reinforced Aluminium Alloy Based Metal Matrix Composites (MMCs)”

Submitted in partial fulfilment of the requirements for the award of

Submitted By

ANKITH H P

1MV21ME006

ARUN

1MV21ME008

SHASHANK S

1MV21ME024

HARSHAVARDHAN H R

1MV22ME404

Under the guidance of

Dr. MadhuKumar K

Assistant Professor



DEPARTMENT OF MECHANICAL ENGINEERING

SIR M. VIVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562127

2023 – 24

SIR M. VIVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562127

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled “T6 Heat Treatment and Micro-Structural Analysis of Yttrium Stabilized Zirconia Particulates Reinforced Aluminium Alloy Based Metal Matrix Composites (MMCs)” is presented by Ankith H P (1MV21ME006), Arun (1MV21ME008), Shashank S (1MV21ME024), Harshavardhan H R (1MV22ME404).

Bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Dr. MadhuKumar K

Assistant Professor

Signature of the HOD

Dr. K.S Shanmukharadhya

Professor and Head

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Mysore
International Airport Road, Bangalore-562 157

Signature of the Principal

Prof. Rakesh S.G

Principal

Name of the examiners

Signature with date

1.

2.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI - 590018**



An internship report on

“INDUSTRIAL ROBOTICS”

*Submitted in partial fulfilment of the requirements for the award
of*

**BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING**

Submitted By

SHAGNIK BHATTACHARJEE 1MV21ME023

Under the Guidance of

Internal Guide: **Dr. K S SHANMUKHARADHYA**
Professor & Head, Department of Mechanical Engineering

External Guide: **Mr. S S SRINIVASA GOPAL**
Principal of GTTC

DEPARTMENT OF MECHANICAL ENGINEERING



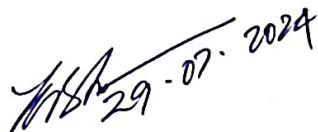
SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

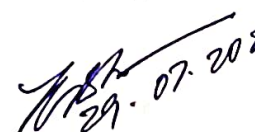
Academic year: 2023 – 24
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157 DEPARTMENT OF MECHANICAL
ENGINEERING

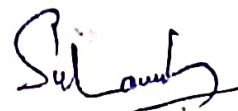


CERTIFICATE

This is to certify that **Mr. SHAGNIK BHATTACHARJEE**, USN: **1MV21ME023** a student of VI semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at **“GOVERNMENT TOOL ROOM AND TRAINING CENTER, BANGALORE.”** And has submitted the report entitled **“INDUSTRIAL ROBOTICS”** to fulfil the academic requirement of Internship for the Bachelor of Engineering degree.


Dr. K S Shanmukharadhya
Professor and Head
Dept of Mechanical Engineering.
Sir MVIT, Bengaluru


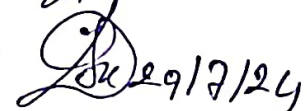

Dr. K S Shanmukharadhya
Professor and Head
Dept of Mechanical Engineering
Sir MVIT, Bengaluru


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsar, Bangalore-562 1.
Prof. Rakesh Kumar
Principal
Sir MVIT
Bengaluru

Names of the Examiners

1. Dr. K.S. Shanmukharadhya
2. Dr. Sampath Kumar L.

Signature with Date


29.07.2024

29/7/24

INTERNSHIP CERTIFICATE



ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ
(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನೋಂದಾಯಿತ ಸಂಸ್ಥೆ)

Government Tool Room & Training Centre
(A Registered Society under Government of Karnataka)

LETTER OF INTERNSHIP

To,

Date:- 23-11-2023

The Principal

Sir M. Visvesvaraya Institute of Technology,
Bengaluru-562157.

Respected Sir / Madam,

Subject: Completion of Student Internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr. Shagnik Bhattacharjee [1MV21ME023] student of 4th Semester, Mechanical Engineering branch of your institution was admitted for internship with us and He was offered internship in the domain of "Robotics" and the training program was scheduled from 26th October 2023 to 23rd November 2023.

Best Regards,


Co-ordinator


Nodal officer

"ಕನ್ನಡ ಕಾಯಕ ವರ್ಷ 2020-21"

ಭಾರತ ಸರ್ಕಾರದಿಂದ ಮಾನ್ಯತೆ ಪಡೆದ ವೈಜ್ಞಾನಿಕ ಮತ್ತು ಕೈಗಾರಿಕಾ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ

A Scientific & Industrial Research Organisation Recognised by Govt. of India

Rajajinagar Industrial Estate, Bengaluru-560010

Tel No. 080-23152118, 23152119, 23152262, 23301683

Website : www.gttc.co.in e-mail : md.gttc@gmail.com

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



A Internship Report on “SOCIETAL ACTIVITY”

Submitted in partial fulfillment of the requirements as a part of the curriculum,
Bachelor of Engineering in Mechanical Engineering

Submitted By

SHASHANK S

1MV21ME024

Internship carried out at
**GOVERNMENT HIGH SCHOOL
BETHALSUR BANGLORE**



Under the Guidance of
Dr. MADHUKUMAR K
ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU – 562157. 2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that **Mr. SHASHANK S** USN: 1MV21ME024 a student of VI semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at **"GOVERNMENT HIGH SCHOOL"** and has submitted the report to full fill the academic requirement of Internship for the Bachelor of Engineering degree.

Signature of Guide
Dr. MADHUKUMAR K
Assistant Professor

Signature of HOD
Dr. K.S Shanmukharadhya
Professor and Head

PRINCIPAL
Signature of Principal
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Munaswaramanahalli
International Airport Road, Bangalore-562 111
Rakesh S.G
Principal

Name of the examiners

1.

Signature with date

2. 

INTERNSHIP CERTIFICATE



Government High School

Bottabasur Gram Panchayat, Borgalur Rural District

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **SHASHANK S**, the student of Sir M Visvesvaraya Institute of Technology studying **Mechanical Engineering** bearing the USN **1MV21ME024** has successfully completed the **INTERNSHIP** entitled "**Societal related activities**" at **Government High School**, from 25-10-23 to 25-11-23

During this period, he was actively involved in assisting students with their learning activities. He demonstrated a high level of commitment, responsibility, and enthusiasm in performing his/her duties and contributed significantly to the educational development of the students.

Issuing Person's Name

Designation

Signature

For / ಮುಖ್ಯಸ್ಥ: ಪಾಠ್ಯಯುಗ್ಮ
ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗಾಗಿ
ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ಬೆಂಗಳೂರು ನಗರ ಸರ್ಕಾರ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



A Internship Report on “SOCIETAL ACTIVITY”

Submitted in partial fulfillment of the requirements as a part of the curriculum,
Bachelor of Engineering in Mechanical Engineering

Submitted By

SUDARSHAN R

1MV21ME025

Internship carried out at
**GOVERNMENT HIGH SCHOOL
BETHALSUR BANGLORE**



Under the Guidance of
**PROF. CHANDRASHEKAR .B.
ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL ENGINEERING**

**DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU – 562157 2023-24**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that Mr. SUDARSHAN R USN: 1MV21ME025 a student of VI semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at "GOVERNMENT HIGH SCHOOL" and has submitted the report to full fill the academic requirement of Internship for the Bachelor of Engineering degree.

Corrected
by
29.07

Signature of Guide

CHANDRASHEKAR .B.

Assistant Professor

29.07.2024

Signature of HOD

Dr. K.S Shanmukharadhya

Professor and Head

Sulamb

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Mysore
International Airport Road, Bangalore - 562 157

Signature of Principal

Rakesh S.G

Principal

Name of the examiners

1. Dr. K.S. Shanmukharadhya

Dr. Sampath Kumar, L

Signature with date

29.7.2024

29/7/24

2.

INTERNSHIP CERTIFICATE



Government High School

Bettahalsur Gram Panchayat , Bengaluru Rural District

INTERNSHIP COMPLETION CERTIFICATE


This is to certify that **Sudarshan R** the student of **Sir M Visvesvaraya Institute of Technology** bearing the **USN 1MV21ME025** has successfully completed the **INTERNSHIP** entitled "**Societal related activities**" at **Government High School** , from **25-10-23** to **25-11-23**

During this period, he/she was actively involved in assisting students with their learning activities. He/She demonstrated a high level of commitment, responsibility, and enthusiasm in performing his/her duties and contributed significantly to the educational development of the students.

Issuing Person's Name

Designation


Signature

 **ಮುಖ್ಯವಾಢ್ಯರು**
ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಬೆಟ್ಟಹಾಲ್ಸುರ ಗ್ರಾಂ ಪಂಚಾಯತ್
ಬೆಟ್ಟಹಾಲ್ಸುರ ಉತ್ತರ ವಲಯ-4
ಬೆಟ್ಟಹಾಲ್ಸುರ ಉತ್ತರ ಜಿಲ್ಲೆ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



A Internship Report on

“SOCIETAL RELATED ACTIVITIES”

Submitted in partial of the requirement as a part of the curriculum,

Bachelor of Engineering in MECHANICAL ENGINEERING

Submitted By

SURYA K C

1MV21ME026

Internship carried out at

GOVERNMENT HIGH SCHOOL

BANGALORE-562157



Under the Guidance of:

Prof. CHANDRASEKHAR B

Department of Mechanical Engineering

DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY,
BENGALURU-562157
2023-2024

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU - 562157
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that Mr. SURYA K C USN: 1MV21ME026 a student of VI semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at "GOVERNMENT HIGH SCHOOL" and has submitted the report to fulfil the academic requirement of Internship for the Bachelor of Engineering degree.

Chandrasekhar B
29.07.2024

.....
Signature of the guide

Chandrasekhar B
Assistant Professor

29.07.2024
.....

Signature of HOD

Dr. K.S Shanmukharadhy
Professor & HOD

29.07.2024
.....

PRINCIPAL

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Kishweddevarayanagar, Hunasimatanahalli
International Airport Road, Bangalore-562 157

Signature of Principal

Rakesh S.G
Principal

Name of the Examiners

1. *Dr. K.S. Shanmukharadhy*
2. *Dr. Sambath Kumar. L*

Signature with Date

29.07.2024
29/7/24



Government High School

Bettahalsur Gram Panchayat, Bengaluru Rural District

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **SURYA KC**, the student of **Sir M Visvesvaraya Institute of Technology** bearing the **USN 1MV21ME026** has successfully completed the **INTERNSHIP** entitled "**Societal related activities**" at **Government High School**, from **25-10-23 to 25-11-23**.

During this period, he/she was actively involved in assisting students with their learning activities. He/She demonstrated a high level of commitment, responsibility, and enthusiasm in performing his/her duties and contributed significantly to the educational development of the students.

Issuing Person's Name

Designation

Signature

ಶ್ರೀ ಮುಷ್ಕೇಶ್ವರಯ್ಯರು
ಶಾಸನ ಪ್ರಾಧಿಕಾರಿ, ಬೆಂಗಳೂರು
ಪಂಚಾಯತ್, ಬೆಂಗಳೂರು
ಜಿಲ್ಲಾ ಪಂಚಾಯತ್

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



A Internship Report on

“MANUFACTURING OF RAIL WHEEL, AXLE AND WHEEL SET”

Submitted in partial fulfillment of the requirements as a part of the curriculum,
Bachelor of Engineering in Mechanical Engineering

Submitted By

TANMAY PATHAK

1MV21ME028

Internship carried out at

**RAIL WHEEL
FACTORY
YELAHANKA-560064**



Under the Guidance of

INTERNAL GUIDE: Prof G BALAKUMAR

EXTERNAL GUIDE: SSE VIJAY KUMAR

**DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU – 562157**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU – 562157

**DEPARTMENT OF MECHANICAL ENGINEERING
2023-2034**



CERTIFICATE

This is to certify that **Mr. TANMAY PATHAK USN: 1MV21ME028** a student of VI semester B.E. in the Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at "**RAIL WHEEL FACTORY**" and has submitted the report to full fill the academic requirement of Internship for the Bachelor of Engineering degree.


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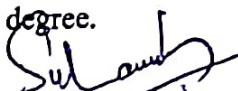
Signature of the Guide

Prof G Balakumar


.....

Signature of the HOD

Dr. K.S Shanmukharadhya


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport, Bangalore-562 157

Principal

Rakesh S.G

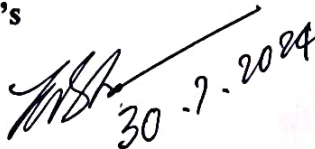
Principal

Name of the examiner's

1.

2.

Signature with date


30.7.2024



RAIL WHEEL FACTORY

INDIAN RAILWAYS

(GOVT OF INDIA)

VELAHANKA, BANGALORE - 560064

(AN ISO: 9001-2015, ISO:14001-2015 & OHSMS:45001-2018 CERTIFIED PRODUCTION UNIT)

SL No: RWF/M/TTC/23-24/54-07

Certificate

DATE: 11/12/2023

This is to certify that Mr./Ms. **TANMAY PATHAK** Regn No. **IMV21ME028** Course **B.E**
Branch **MECHANICAL ENGINEERING** Year Student of **SIR M.VISVESVARAYA**
INSTITUTE OF TECHNOLOGY has undergone **INTERSHIP TRAINING on MANUFACTURING OF**
RAIL WHEELS, AXLES & WHEEL SETS and Successfully completed the same during the
period from **02/11/2023** to **16/11/2023** at Rail Wheel Factory.



SSE/TTC

Technical Training Centre

RWF, Bangalore-64

सहायक प्रशिक्षण केंद्र

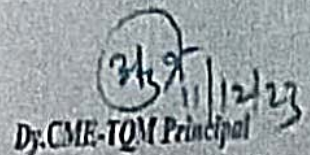
Signor, Section Engineer / TTC

रेल व्हील कारखाना (सरकारी रेल)

Rail Wheel Factory (Indian Railway)

बंगलूर, बंगलूर - 560 064

Velahanka, Bangalore - 560 064



Dy.CME-TQM Principal

Technical Training Centre

RWF, Bangalore-64

प्रमुख / टी.एम.डी.

TECHNICAL T.T.C.

रेल व्हील कारखाना (सरकारी रेल)

Rail Wheel Factory (Indian Railway)

बंगलूर, बंगलूर - 560 064

Velahanka, Bangalore-560 064

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi -590018



Internship Report on “MANUFACTURING OF RAIL WHEEL, AXLE AND WHEEL SET”

**Submitted in partial fulfillment of the requirements as a part of the curriculum,
Bachelor of Engineering in Mechanical Engineering**

Submitted By

VARUN R

1MV21ME029

**Internship carried out at
RAIL WHEEL FACTORY
YELAHANKA-560064**



**Under the Guidance of
Janardhana K
Associate Professor**

**DEPARTMENT OF MECHANICAL ENGINEERING
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY**

BENGALURU – 562157

2023-24

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY


BENGALURU – 562157


DEPARTMENT OF MECHANICAL ENGINEERING

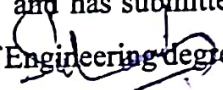


CERTIFICATE

This is to certify that Mr. VARUN R USN: 1MV21ME029 a student of VI semester B.E. in Department of Mechanical Engineering at Sir M. Visvesvaraya Institute of Technology has successfully completed the internship at "RAIL WHEEL FACTORY" and has submitted the report to full fill the academic requirement of Internship for the Bachelor of Engineering degree.


Signature of the Guide 30.07.24
Janardhana K
Associate Professor


Signature of the HOD
Dr. K.S Shanmukharadhya
Professor and Head

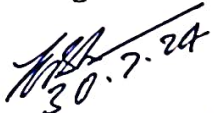

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsarmanahalli
International Airport Road, Bangalore-562 157
Signature of the Principal
Rakesh S.G
Principal

Name of the examiner's

1.

2. Dr. Sampath Kumar L

Signature with date


30.7.24


30/7/24

INTERNSHIP CERTIFICATE



RAIL WHEEL FACTORY INDIAN RAILWAYS

(GOVT OF INDIA)

VELAMANKA, BANGALORE - 560064

(AN ISO: 9001-2015, ISO: 14001-2015 & OHSMS-45001-2018 CERTIFIED PRODUCTION UNIT)

SL No: RW/NTTC/23-24/54-03

Certificate

DATE: 11/12/2023

This is to certify that Mr/Ms. VARUN R. Regn. No. IMV2IME029 /..... Course B.E
Branch MECHANICAL ENGINEERING II Year Student of SIR M. VISVESVARAYA
INSTITUTE OF TECHNOLOGY has undergone INTERNSHIP TRAINING on MANUFACTURING OF
RAIL WHEELS, AXLES & WHEEL SETS and Successfully completed the same during the
period from 02/11/2023 to 16/11/2023 at Rail Wheel Factory.

SSE/TTTC

Technical Training Centre

RWF, Bangalore-64

For release of the certificate

Senior Section Engineer / TTC

Rail Wheel Factory (Indian Railways)

Velamanka, Bangalore - 560 064

Velamanka, Bangalore - 560 064

Dy: CME-TQM Principal

Technical Training Centre

RWF, Bangalore-64

For release of the certificate

Principal / TTC

Rail Wheel Factory (Indian Railways)

Velamanka, Bangalore-560 064

Velamanka, Bangalore-560 064

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI –590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

AKASH H 1MV22ME400
MECHANICAL ENGINEERING

Internship carried out at

GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR



Under the Guidance of

PRASHANT .L

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Academic year: 2022-2023

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **AKASH H IMV22ME400** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.

Prashant L
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru

29.07.2024

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsur, Mysore
International Airport Road, Bangalore-562 117
Prof. Rakesh S G

PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

1 Dr. K. S. Shanmukharadhya

2 Dr. Sahithi Kumar, L

Signature with Date

29.7.2024
29/07/24

INTERNSHIP CERTIFICATE



This is to certify that **AKASH H**
bearing number **KA/BLR/4001/05-2023/0068** has successfully
completed Course


Turning NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from 30/10/2023 to 24/11/2023

Authorized Signatory:

Siemens Industry Software Pvt. Ltd.

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

BALAKRISHNA

1MV22ME401

MECHANICAL ENGINEERING

Internship carried out at

**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR**



Under the Guidance of

Dr. V. SHANTHA

Professor,
Department of Mechanical Engineering
Sir M.VIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2023-2024**

**SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING**



CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **BALAKRISHNA [1MV22ME401]** in Mechanical Engineering of the Sir M.Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.

Dr. V. SHANTHA
Professor
Dept of Mech Engg
Sir M.VIT, Bengaluru

30.7.2024

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir M.VIT, Bengaluru

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157

Prof. Rakesh S.G
PRINCIPAL
Sir M.VIT, Bengaluru

Names of the Examiners

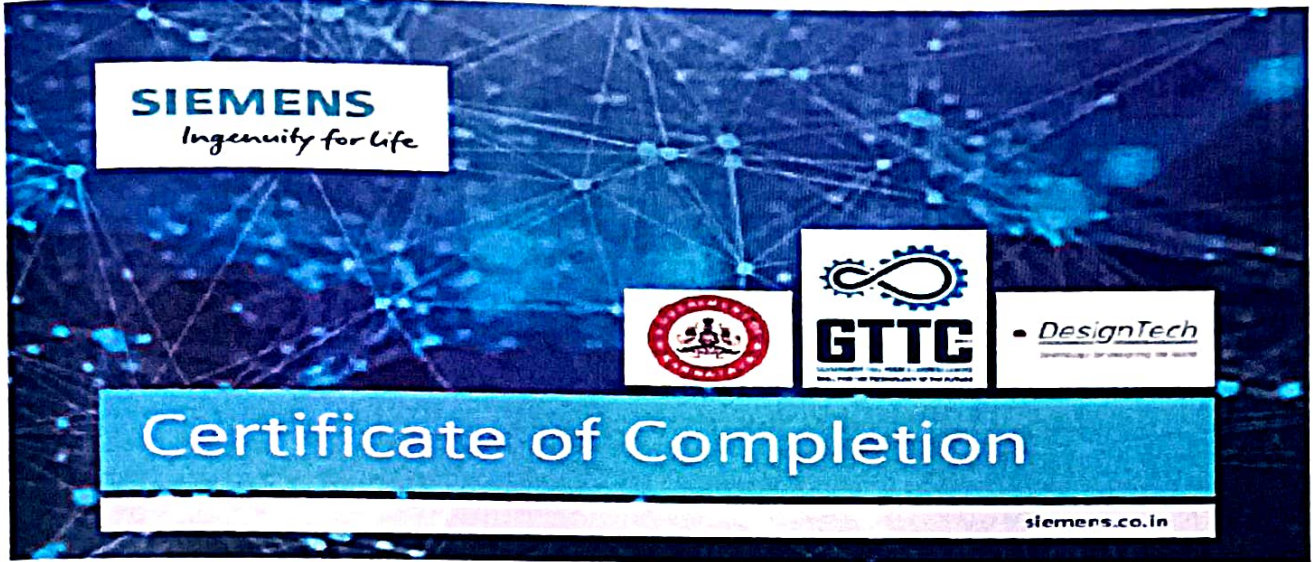
1.....

2. Dr. Sampath Kumar L

Signature with Date

30.7.2024
30/07/24

INTERNSHIP CERTIFICATE



This is to certify that BALAKRISHNA N
bearing number KA/BLR/4001/05-2023/0075 has successfully
completed Course

Milling NC Programming (32 Hrs)

Conducted at
Siemens Centre of Excellence, GTTC, Bengaluru
ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from **06/11/2023 to 02/01/2024**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

DATTA 1MV22ME402

MECHANICAL ENGINEERING

Internship carried out at

**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR BANGALORE**



Under the Guidance of

Mrs. ASHA RANI A

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore


**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2023-2024**

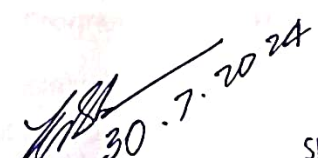
SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **DATTA 1MV22ME402** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.


Mrs. ASHA RANI A
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru


Dr. K. S. Shanmukharadhy
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

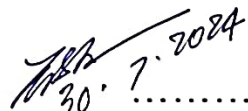

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562 157
PRINCIPAL
Sir MVIT, Bengaluru

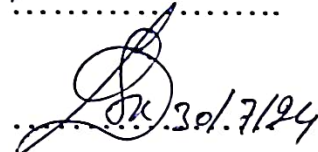
Names of the Examiners

1.....

2.....

Signature with Date


30.7.2024


30.7.24

INTERSHIP CERTIFICATE



This is to certify that DATTA DATTA
bearing number KA/BLR/4001/10-2023/0221 has successfully
completed Course

Turning NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from 30/10/2023 to 24/11/2023

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

GAGANESHWAR S 1MV22ME403

MECHANICAL ENGINEERING

Internship carried out at

**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR BENGALORE**



Under the Guidance of

Mrs. ASHA RANI A

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore


**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2023-2024**

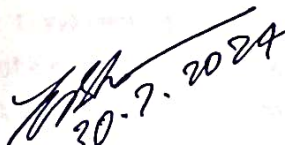
SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **GAGANESHWAR S 1MV22ME403** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.


Mrs. ASHA RANI A
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru


Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru


PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Prof. Rakesh S G re-562 157

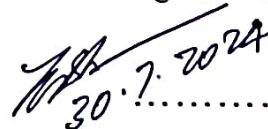
PRINCIPAL
Sir MVIT, Bengaluru

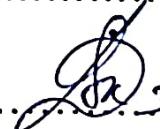
Names of the Examiners

1.....

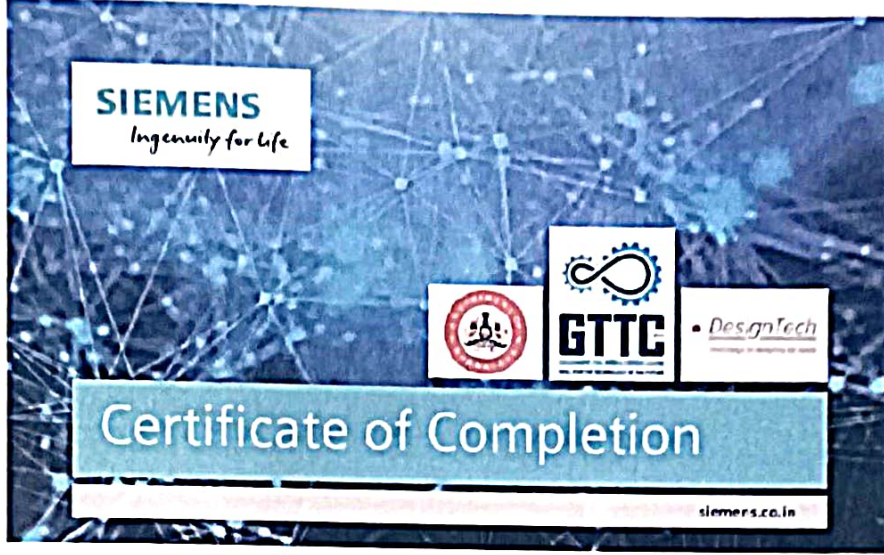
2.....

Signature with Date


30.7.2024

.....

30.7/24

INTERSHIP CERTIFICATE



This is to certify that **GAGANESHWAR S**
bearing number **KA/BLR/4001/05-2023/0073** has successfully
completed Course

Turning NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from 30/10/2023 to 24/11/2023

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

HARSHAVARDHAN HR 1MV22ME404

MECHANICAL ENGINEERING

Internship carried out at

**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR**



Under the Guidance of

Dr. MADHUKUMAR K

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY**

Academic year: 2023-2024

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Internship work entitled **CNC IN TURING AND MILLING** is a work carried out by **HARSHAVARDHAN HR 1MV22ME404** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.

Dr. MADHUKUMAR K
Assistant Professor
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Sir MVIT, Bengaluru

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

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Prof. Rakesh S. G.
PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

Signature with Date

1.....

2 Dr. Sampath Kumar, L

INTERSHIP CERTIFICATE



This is to certify that HARSHAVARDHAN H R
bearing number KA/BLR/4001/05-2023/0079 has successfully
completed Course

Milling NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from **30/10/2023** to **24/11/2023**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI -590018



Internship Report on
"CNC IN TURNING AND MILLING"

Submitted By

HARSHITH GOWDAS INV22ME405
MECHANICAL ENGINEERING

Internship carried out at
GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR



Under the Guidance of

PRASHANT L
Assistant Professor,
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Sir MVIT, Bengaluru

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Centre In-Charge
GTTC Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING
SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2022-2023

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Internship work entitled **CNC IN TURING AND MILLING** is a work carried out by
HARSHITH GOWDA S IMV22ME405 in Mechanical Engineering of the Sir M Visvesvaraya
Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions
indicated for Internal Assessment have been incorporated in the Report.

Prashant L
Prashant L
Assistant Professor
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Sir MVIT, Bengaluru

Dr. K. S. Shanmukharadhya
Dr. K. S. Shanmukharadhya
Professor and Head
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Prof. Rakesh S G
PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

1. *Dr. K. S. Shanmukharadhya*
2. *Dr. Sampath Kumar*

Signature with Date

Dr. K. S. Shanmukharadhya
29.7.2024
Dr. Sampath Kumar
29.7.2024

INTERNSHIP CERTIFICATE



This is to certify that **HARSHITH GOWDA S**
bearing number **KA/BLR/4001/05-2023/0071** has successfully
completed Course

Turning NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru
ಸರ್ಕಾರಿ ಉಪಕರಣಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು
from **30/10/2023 to 24/11/2023**

Authorized Signatory	Authorized Signatory	Authorized Signatory
Siemens India Software Pvt. Ltd.	Government Td Room & Training Centre	DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

HEMANTH V

IMV22ME406

MECHANICAL ENGINEERING

Internship carried out at

**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR**



Under the Guidance of

Dr. V. SHANTHA

Professor,

Department of Mechanical Engineering

Sir M.VIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Academic year: 2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Internship work entitled CNC IN TURNING AND MILLING is a work carried out by
HEMANTH V [IMV22ME406] in Mechanical Engineering of the Sir M. Visvesvaraya Technological
University, Belagavi during the year 2023-2024. It is certified that all corrections suggestions indicated for
Internal Assessment have been incorporated in the Report.

[Signature]

Dr. V. SHANTHA
Professor
Dept of Mech Engg
Sir M.VIT, Bengaluru

[Signature] 7. 2024

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir M.VIT, Bengaluru

[Signature]

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Krisnadevarayanagar, Hunasamaranahalli
International Airport Road, Bengaluru-562 157

Prof. Rakesh S.G
PRINCIPAL
Sir M.VIT, Bengaluru

Names of the Examiners

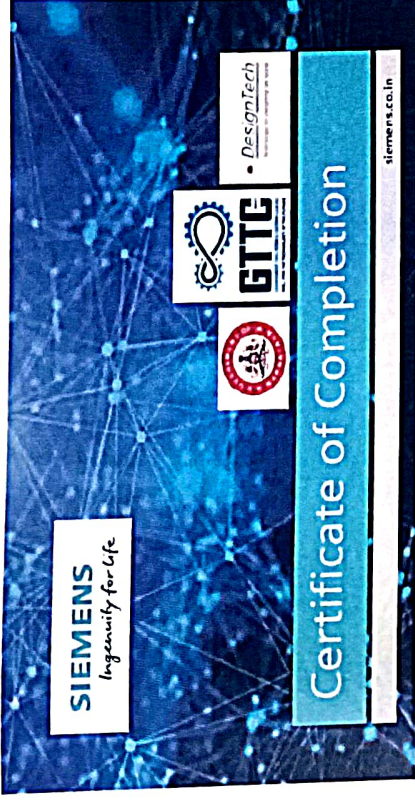
1.....

Signature with Date

[Signature] 7. 2024

2. *[Signature]* 20/07/24

INTERNSHIP CERTIFICATE



This is to certify that **HEMANTH V**
bearing number **KA/BLR/4001/05-2023/0069** has successfully
completed Course

Turning Operating & Machining (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from 03/11/2023 to 04/01/2024

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI –590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

MADHUSUDHAN REDDY S

1MV22ME407

MECHANICAL ENGINEERING

Internship carried out at

GOVERNMENT TOOL ROOM & TRAINING CENTER

RAJAJINAGAR



Under the Guidance of

Dr. V. SHANTHA

Professor,
Department of Mechanical Engineering
Sir M.VIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING
Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Academic year: 2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

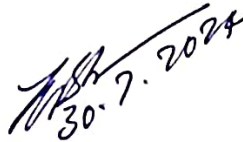


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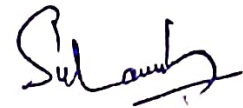
Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **MADHUSUDHAN REDDY S [1MV22ME407]** in Mechanical Engineering of the Sir M.Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.


30/07/2024

Dr. V. Siantia
Professor
Dept of Mech Engg
Sir M.VIT, Bengaluru


30.7.2024

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir M.VIT, Bengaluru



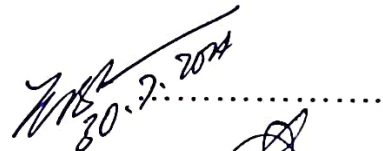
PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadesvaraya Nagar, Channarayana
Internal, 1st Floor, Bangalore-502 151

Prof. Rakesh S.G
PRINCIPAL
Sir M.VIT, Bengaluru

Names of the Examiners

Signature with Date

1.....


30.7.2024

2. Dr. Sampath Kumar. L


30/07/24

INTERNSHIP CERTIFICATE



This is to certify that **MADHUSUDHAN REDDY S REDDY**
bearing number **KA/BLR/4001/05-2023/0072** has successfully
completed Course

Turning NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

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from **30/10/2023** to **24/11/2023**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI –590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

PAVAN KUMAR B
1MV22ME409
MECHANICAL ENGINEERING

Internship carried out at
GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR



Under the Guidance of

Dr. V. SHANTHA
Professor,
Department of Mechanical Engineering
Sir M.VIT, Bengaluru

VINOD
Centre In-Charge
GTTC Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING
Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2023-2024

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

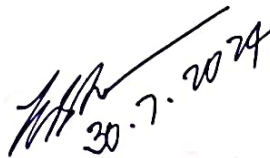


CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **PAVAN KUMAR B [1MV22ME409]** in Mechanical Engineering of the Sir M. Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.


30/07/2024

Dr. V. SHANTHA
Professor
Dept of Mech Engg
Sir M.VIT, Bengaluru


30.7.2024

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir M.VIT, Bengaluru



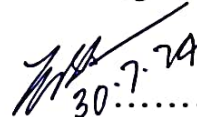
PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Krishnasagarahalli
International Airport Road, Bengaluru-562 157

Sir M.VIT, Bengaluru


Names of the Examiners

Signature with Date

1.....


30.7.24

2. Dr. Satish Pathi Kumar, L


30/07/24

INTERNSHIP CERTIFICATE



This is to certify that **PAVAN KUMAR B**
bearing number **KA/BLR/4001/05-2023/0070** has successfully
completed Course

Milling NC Programming (32 Hrs)

Conducted at
Siemens Centre of Excellence, GTTC, Bengaluru
ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from 06/11/2023 to 02/01/2024

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI –590018



Internship Report on

“SIEMENS NX DESIGN IN CAD”

Submitted in partial fulfillment of the requirements for the award
Of
BACHELOR OF ENGINEERING
In
MECHANICAL ENGINEERING
Submitted By

PRAVEEN 1MV22ME410

Internship carried out at
GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR-560010



Under the Guidance of

MR. B CHANDRASEKHAR

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

SHAILAJA M V

Professor
Government Tool Room & Training Center

DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Banaglore-562157
Academic year : 2023-2024

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Internship work entitled **SIEMENS NX LAB** is a bonafide work carried out by **PRAVEEN (1MV22ME410)** in partial fulfillment for the award of Degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

*Correction
Suggested
29/08*

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Assistant Professor
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Sir MVIT, Bengaluru

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

29.07.2024

Sulambh

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Krishnadevarayanagar, Hunasamaranahalli
International Airport Road, Bangalore-562157

Dr. Rakesh S G
PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

Signature with Date

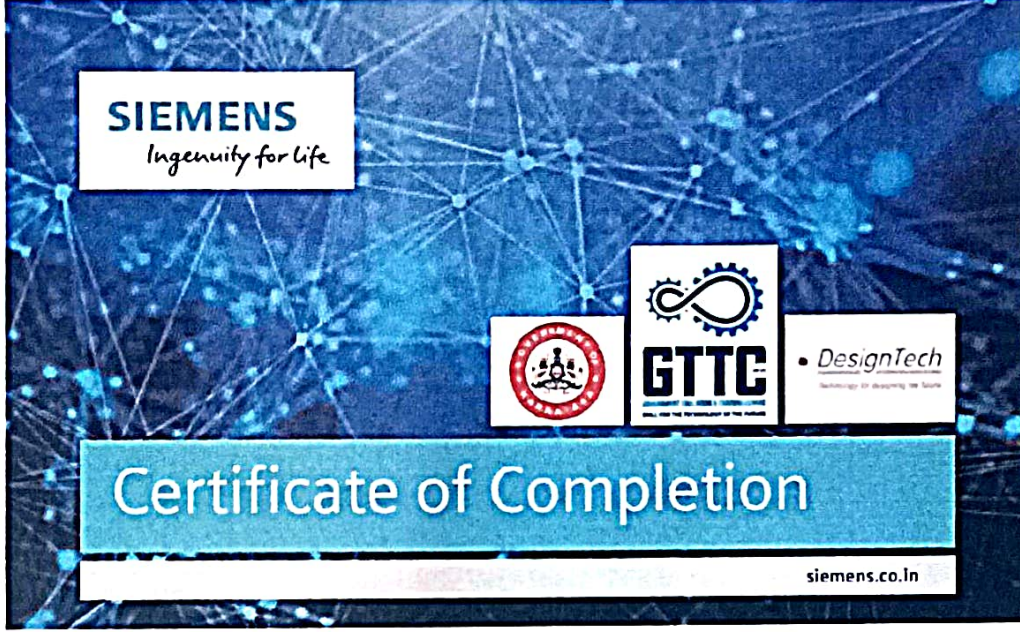
1. *Dr. K. S. Shanmukharadhya*

2. *Dr. Sampath Kumar. L*

29.7.2024

29/7/24

INTERNSHIP CERTIFICATE



This is to certify that **PRAVEEN**
bearing number **KA/BLR/4001/PDV-01/11-2023/002** has
successfully completed Course

Essentials for NX Designers (40 Hrs)

Conducted at
Siemens Centre of Excellence, GTTC, Bengaluru
ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು
from **30/10/2023 to 24/11/2023**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI –590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

RAKESH M 1MV22ME411
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Internship carried out at

GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR



Under the Guidance of

PRASHANT .L

Assistant Professor,
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Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2022-2023

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING

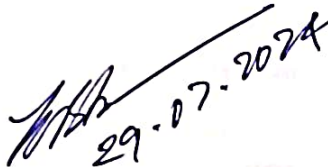


CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **RAKESH M 1MV22ME411** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.



Prashant L
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru


29.07.2024

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

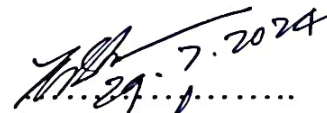


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Krishnadevarayanagar, Hunsarayanahalli
International Airport Road, Bangalore-562 57
Prof. Rakesh S G
PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

1. Dr. K. S. Shanmukharadhya
2. Dr. Sampath Kumar L

Signature with Date


29.07.2024


29.07.2024

INTERNSHIP CERTIFICATE



This is to certify that RAKESH M
bearing number KA/BLR/4001/10-2023/0216 has successfully
completed Course

Turning Operating & Machining (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from **03/11/2023 to 04/01/2024**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd.

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

RANJITH H 1MV22ME412

MECHANICAL ENGINEERING

Internship carried out at
**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR BENGALURE**



Under the Guidance of

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Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

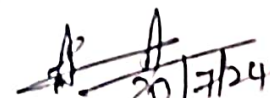
**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2023-2024**

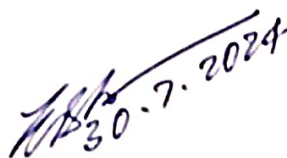
SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **RANJITH H IMV22ME412** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.


Mrs. ASHA RANI A
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru


Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

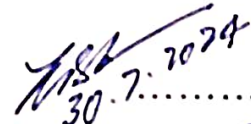

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Kishoredevanagar, Munasammanahally
Internagar, Bangalore-562 101
Prof. Rakesh S G
PRINCIPAL
Sir MVIT, Bengaluru


Names of the Examiners

Signature with Date

1.....

2.....


30.7.2024


30/7/24

INTERSHIP CERTIFICATE



This is to certify that RANJITH H
bearing number KA/BLR/4001/05-2023/0074 has successfully
completed Course

Turning NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from 30/10/2023 to 24/11/2023

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI –590018



Internship Report on

“CNC IN TURNING AND MILLING”

Submitted By

RANJITH S R 1MV22ME413

MECHANICAL ENGINEERING

Internship carried out at

**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR**



Under the Guidance of

Mrs. ASHA RANI A

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore


**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2023-2024**

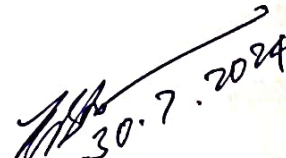
SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **RANJITH S.R IMV22ME413** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.


Mrs. ASHA RANI A
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru


Dr. K. S Shanmukharadhy
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

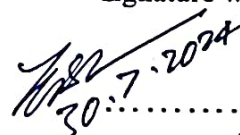

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Road, Hunasamaranahalli
Bengaluru - 562 157
Prof. Rakesh S G
PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

1.....

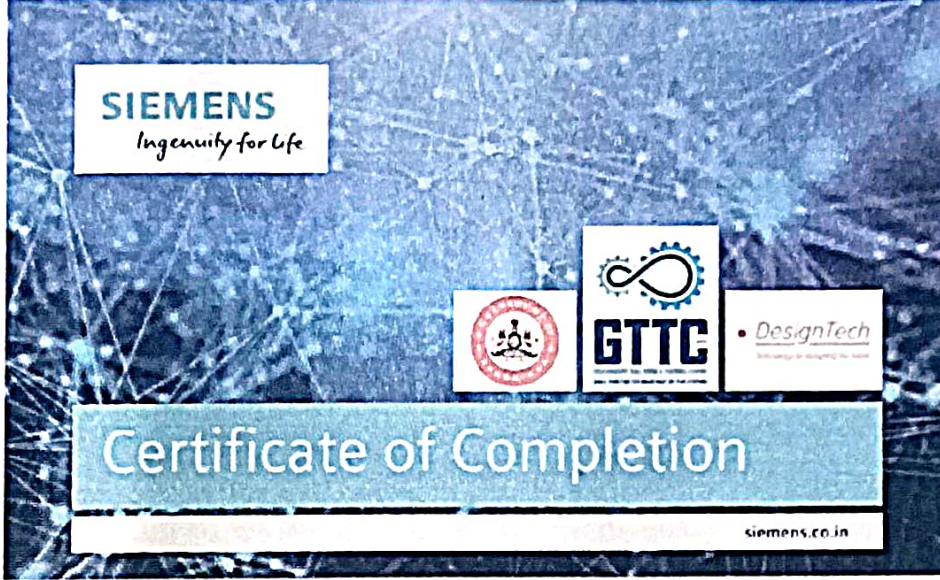
2.....

Signature with Date


30.7.2024


30/7/24

INTERSHIP CERTIFICATE



This is to certify that RANJITH SR
bearing number KA/BLR/4001/05-2023/0077 has successfully
completed Course

Turning NC Programming (32 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from **30/10/2023 to 24/11/2023**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI -590018



Internship Report on

“SIEMENS NX DESIGN IN CAD”

Submitted in partial fulfillment of the requirements for the award

Of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

Submitted By

SHRIKANTH 1MV22ME414

Internship carried out at

GOVERNMENT TOOL ROOM & TRAINING CENTER

RAJAJINAGAR-560010



Under the Guidance of

MR. KUMAR SWAMY.R

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

SHAILAJA M V

Professor
Government Tool Room & Training Center

DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Banaglore-562157
Academic year : 2023-2024

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY

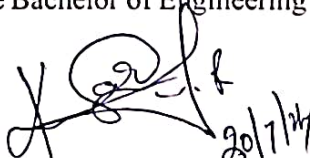
BENGALURU-562157

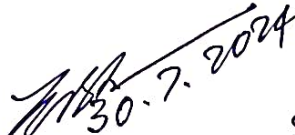
DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

Certified that the Internship work entitled **SIEMENS NX LAB** is a bonafide work carried out by **SHRIKANTH 1MV22ME414** in partial fulfillment for the award of Degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.


MR. KUMAR SWAMY.R
Assistant Professor
Dept of Mech Engg
Sir MVIT, Bengaluru


Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

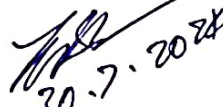

PRINCIPAL
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Sir MVIT, Bengaluru


Names of the Examiners

Signature with Date

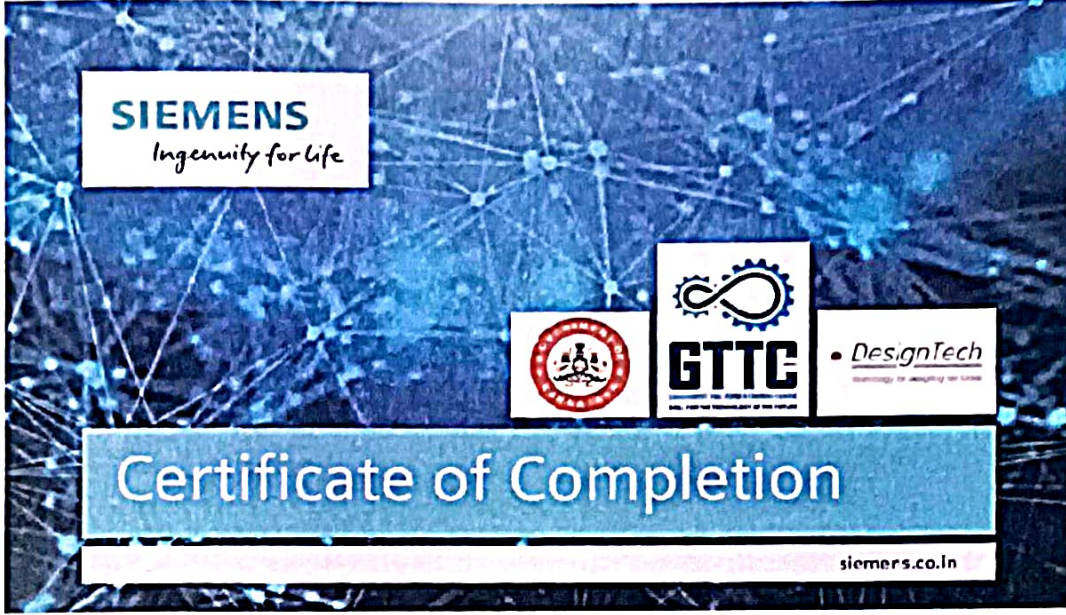
1.

2. Dr. Sampath Kumar L


30.7.2024


30/07/24

INTERNSHIP CERTIFICATE



This is to certify that SHRIKANTH
bearing number KA/BLR/4001/05-2023/0071 has successfully
completed Course

Essentials for NX Designers (40 Hrs)

Conducted at

Siemens Centre of Excellence, GTTC, Bengaluru

ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from **30/10/2023 to 24/11/2023**

Authorized Signatory:

Siemens Industry Software Pvt. Ltd

Authorized Signatory:

Government Tool Room & Training Centre

Authorized Signatory:

DesignTech Systems Limited

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI -590018**



Internship Report on
“CNC IN TURNING AND MILLING”

Submitted By

**VIKAS B R 1MV22ME415
MECHANICAL ENGINEERING**

Internship carried out at
**GOVERNMENT TOOL ROOM & TRAINING CENTER
RAJAJINAGAR**



Under the Guidance of

PRASHANT .L

Assistant Professor,
Department of Mechanical Engineering
Sir MVIT, Bengaluru

VINOD

Centre In-Charge
GTTC Bangalore

**DEPARTMENT OF MECHANICAL ENGINEERING
Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Academic year: 2022-2023**

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Internship work entitled **CNC IN TURNING AND MILLING** is a work carried out by **VIKAS B R 1MV22ME415** in Mechanical Engineering of the Sir M Visvesvaraya Technological University, Belagavi during the year **2023-2024**. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report.

Prashant L
Assistant Professor
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Sir MVIT, Bengaluru

29.07.2024

Dr. K. S. Shanmukharadhya
Professor and Head
Dept of Mech Engg
Sir MVIT, Bengaluru

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Krishnadevarayanagar, Humasamaranahalli
International Airport Road, Bangalore-562 154
Prof. Rakesh S G

PRINCIPAL
Sir MVIT, Bengaluru

Names of the Examiners

1. Dr. K. S. Shanmukharadhya
2. Dr. Sampath Kumar L

Signature with Date

29.07.2024
29/7/24

INTERNSHIP CERTIFICATE



This is to certify that VIKAS B R
bearing number KA/BLR/4001/05-2023/0076 has successfully
completed Course

Turning NC Programming (32 Hrs)

Conducted at
Siemens Centre of Excellence, GTTC, Bengaluru
ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು

from 30/10/2023 to 24/11/2023

Authorized Signatory:

Siemens Industry Software Pvt. Ltd.

Authorized Signatory:

Government Tool Knowledge & Training Centre

Authorized Signatory:

DesignTech Systems Limited