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# **K.S.INSTITUTEOFTECHNOLOGY**

#14, Raghuvanahalli, KanakapuraMainRoad, Bengaluru-560109

# **Department of Mechanical Engineering**

# Internship details for the Academic Year 2023-24

SI.N O	Title of the Collabora tive activity	Name of the Collaborating Agency	USN	Name of the Participant	Year of Collaborat ion	Duratio n	Nature of the Activity
1	Internship	GTTC	1KS20ME001	DARSHAN S	2023-2024	1 Month	Intern
2	Internship	GTTC	1KS20ME002	HARSHAVARD HAN.V	2023-2024	1 Month	Intern
3	Internship	NATIONAL AEROSPACE LABORATOR IES	1KS20ME003	HARYANK V KASHYAP	2023-2024	1 Month	Intern
4	Internship	GTTC	1KS20ME004	KUSHAL KADAM	2023-2024	1 Month	Intern
5	Internship	K-TECH CENTER OF EXCELLENC E IN AEROSPACE & DEFENCE	1KS20ME005	PRANITHA.R	2023-2024	1 Month	Intern
6	Internship	GTTC	1KS20ME006	SHALINI D S	2023-2024	1 Month	Intern
7	Internship	VIPRA MACHINE TOOLS PVT LTD	1KS20ME007	SHREYAS.S.K	2023-2024	1 Month	Intern
8	Internship	GTTC	1KS20ME008	SUPRITH GOWDA J	2023-2024	1 Month	Intern
9	Internship	NANDI TOYOTA	1KS21ME400	PRAVEEN K	2023-2024	1 Month	Intern
10	Internship	GTTC	1KS21ME401	PRERAN GOWDA K	2023-2024	1 Month	Intern
11	Internship	NANDI TOYOTA	1KS21ME402	VINEETH P	2023-2024	1 Month	Intern
12	Internship	SIEMENS LOGISTICS	1KS19ME031	SHREYAS H VASIST	2023-2024	1 Month	Intern
13	Internship	NANDI TOYOTA	1KS19ME038	VENKANAGOU DA M P	2023-2024	1 Month	Intern
14	Internship	GTTC	1KS18ME421	MADHU KIRAN H	2023-2024	1 Month	Intern

Head of the Department / MED

Head of the Department Dept. of Mechanical Engg. K.S. Institute of Technology Bengaluru - 560 109.

RINCIPAL K.S. INSTITUTE OF TECHNOLOGY BENGALURU - 560 109

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

### "CNC PROGRAMMING AND OPERATING"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING

IN MECHANICAL ENGINEERING

> Submitted by DARSHAN S 1KS20ME001

Internship Carried Out at GOVT TOOL ROOM & TRAINING CENTRE Sangama Road, Kanakapura, Ramanagara (Dist.) - 562117

> Internal Guide Dr. Girish T R

Associate Professor Dept. of Mechanical Engineering K S Institute of Technology





DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2022-2023

### Page 1 of 41

### K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

# DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the internship work entitled "CNC PROGRAMMING AND OPERATING" is a bonafide work carried out by DARSHAN S USN: 1KS20ME001 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of the Guide (Dr. Girish T R) Associate Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr. Girish T R) Associate Professor & Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the Principal (Dr. DILIP KUMAR K) Principal & Director KSIT, Bengaluru – 109

**External Viva** 

Signature with date 29/5/24

1. Rohene A 2. Mr Menale Name of the Examine:

# Page 2 of 41

### **INDUSTRY/ORGANIZATION CERTIFICATE**



GTTC/K pura/2022-23/STTP-INTERNSHIP

Date: 23-01-2024

# **INTERNSHIP CERTIFICATE**

Certificate of competency is awarded for completion of Internship Training Program in CNC Programming and Operating. This is to certify that Mr. DARSHAN S bearing USN IKS20ME001 of Kammavari

Sangam Institute of Technology has successfully completed Internship Training Program at Govt Tool Room & Training Centre, Kanakapura.

From: 15-08-2023

#### To: 15-09-2023

Her performance, interest, character and conduct are consistently good during the training period.

PRINCIPAL PRINCIPAL Govt.Tool Room & Training Centre Sangam Road, Kanakapura-562117

ប្រាស់ថ ដទាគថದಿಂದ ಮಾನ್ಯತೆ ಪಡೆದ ವೈಜ್ಞಾನಿಕ ಮತ್ತು ಕೈಗಾರಿಕಾ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ A Scientific & Industrial Research Organisation recognised by Govt. of India H.O. - Rajajinagar Industrial Estate, Bengaluru - 560 010 Tel No. 080-23152118, 23152119, 23152262, 23301683 Website : www.gttc.co.in e-mail: md.gttc@gmail.com

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

"CNC PROGRAMMING AND OPERATING" submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING

> IN MECHANICAL ENGINEERING Submitted by HARSHAVARDHAN V 1KS20ME002

> > **Internship Carried Out at**

GOVT TOOL ROOM & TRAINING CENTRE Sangama Road, Kanakapura, Ramanagara (Dist.) - 562117

> Internal Guide Dr. NAGAPRASAD K S

Associate Professor Dept. of Mechanical Engineering K S Institute of Technology





DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2022-2023

### **Page 4 of 41**

### **K S INSTITUTE OF TECHNOLOGY** Bengaluru - 560 109

#### DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the internship work entitled "CNC PROGRAMMING AND OPERATING" is a bonafide work carried out by HARSHAVARDHAN V USN: 1KS20ME002 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of the Guide (Dr. NAGAPRASAD K S) Associate Professor Dept. of Mechanical Engg. KSIT, Bengaluru - 109

Signature of the HOD (Dr. Girish T R) Associate Professor & Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

#### **External Viva**

Kund

Signature of the Principal (Dr. DILIP KUMAR K) Principal & Director KSIT, Bengaluru – 109

Signature with date

Name of the Examiners

- 1. Pohene A 2. Dr. Mismal

### Page 5 of 41

# **INDUSTRY/ORGANIZATION CERTIFICATE**



ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ (ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನೋಂದಾಯಿತ ಸೊಸ್ಕೆಟ) Government Tool Room & Training Centre (A Registered Society under Government of Karnataka) Sub-centre, Sangama Road, KANAKAPURA - Ramanagara (Dist.) - 562 117. Tel: 080-29561075 E-mail: gttckanakapura@gmail.com

GTTC/K.pura/2022-23/STTP-INTERNSHIP

Date: 04-12-2023

# INTERNSHIP CERTIFICATE



Certificate of competency is awarded for completion of Internship Training Program in CNC Programming and Operating.

This is to certify that Mr. HARSHAVARDHAN V bearing USN 1KS20ME002 of Kammavari Sangam Institute of Technology has successfully completed Internship Training Program at Govt Tool Room & Training Centre, Kanakapura.

From: 15-08-2023

#### To: 15-09-2023

His performance, interest, character and conduct are consistently good during the training period



PRINCIPAL PRINCIPAL Govt.Tool Room & Training Centre Sangam Road, Kanakapura-562117

ಭಾರತ ಸರ್ಕಾರದಿಂದ ಮಾನ್ಯತೆ ಪಡೆದ ವೈಜ್ಞಾನಿಕ ಮತ್ತು ಕೈಗಾರಿಕಾ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ A Scientific & Industrial Research Organisation recognised by Govt. of India H.O. - Rajajinagar Industrial Estate, Bengaluru - 560 010 Tel No. 080-23152118, 23152119, 23152262, 23301683 Website : www.gttc.co.in e-mail: md.gttc@gmail.com

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

### "TO OBTAIN AN ANALYTICAL EQUATION FOR TYPICAL BENDING BAR USED IN SLED BASED CRASH TEST FACILITY ON LINEAR STATIC PRINCIPLES TO EVALUATE CRASHWORTHINESS"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING Submitted by

### HARYANK V KASHYAP

1KS20ME003

Internship Carried Out at

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH – NATIONAL AEROSPACE LABORATORIES HAL OLD AIRPORT ROAD, KODIHALLI, BENGALURU– 560017

**Internal Guide** 

### Mr. NAGABHUSHANA M

Associate Professor Dept. of Mechanical Engineering K S Institute of Technology





DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

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### K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

# DEPARTMENT OF MECHANICAL ENGINEERING



### **CERTIFICATE**

This is to certify that the internship work entitled "TO OBTAIN AN ANALYTICAL EQUATION FOR TYPICAL BENDING BAR USED IN SLED BASED CRASH TEST FACILITY ON LINEAR STATIC PRINCIPLES TO EVALUATE CRASHWORTHINESS" is a bonafide work carried out by HARYANK V KASHYAP USN: 1KS20ME003 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

- Naabhl

Signature of the Guide (Mr. Nagabhushana M) Associate Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr. Girish T R) Associate Professor and Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the Principal (Dr. Dilip Kumar K) Principal & CEO KSIT, Bengaluru – 109

#### **External Viva**

Name of the Examiners Pohini A Dr. Niknald 1. 2.

Signature with date 29/5/24 m 29/5/24

#### Page 8 of 41

# INDUSTRY/ORGANIZATION CERTIFICATE



वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद् राष्ट्रीय वांतरिक्षा प्रयोगञालाएं Council of Scientific & Industrial Research National Aerospace Laboratories भी बी सं / PB No.179, एपएएस एयरपोर्ट रोड / HAL Airport Road, बेंगसूर / Bangalore- 560 017, बारत / INDIA स्रोन / Phone: (का / ON): +91 - 80 - 2527 3351 - 54, 2508 6000 - 6559, खम्म / Fax : +91 - 80 - 2528 0862, 2527 0670 येबगाइट / Website : http://www.nal.res.in

04/10/2023

### CERTIFICATE

This is to certify that **Haryank V Kashyap** Enrollment No <u>1KS20ME003</u> student of K.S. Institute of Technology pursuing B.E. has successfully completed Internship titled "TO OBTAIN AN ANALYTICAL EQUATION FOR TYPICAL BENDING BAR USED IN SLED BASED CRASH TEST FACILITY ON LINEAR STATIC PRINCIPLES TO EVALUATE CRASHWORTHINESS" during 4<sup>th</sup> September 2023 to 4<sup>th</sup> October 2023 under the guidance of Sharad Kumar, Principal Scientist, STTD towards the fulfilment of the requirements of their University.

We wish Haryank V Kashyap the very best in all his future endeavors.

INJ2022

Sharad Kumar Principal Scientist, STTD Internship Guide CSIR-NAL

प्रधान वैज्ञानिक / Principal Scientist संरचनात्मक प्रोच्योगिकी प्रभाग Structural Technological Division सीएसआईआर-राष्ट्रीय वांतरिक्ष प्रयोगशालाएं CSIR-National Aerospace Laborajories दंगतूर/Bengaluru-560 017

Vanhatakrishnan,

Chief Scientist & Head, EAD and Chairman, Academic Cell, CSIR-NAL

Dr. Harish Barshilia Chief Scientist & Head, DTS CSIR-NAL

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

#### "CNC PROGRAMMING AND OPERATING"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

> Submitted by KUSHAL KADAM 1KS20ME004

Internship Carried Out at GOVT TOOL ROOM & TRAINING CENTRE Sangama Road, Kanakapura, Ramanagara (Dist.) - 562117

> Internal Guide Mr. Harish U Associate Professor Dept. of Mechanical Engineering K S Institute of Technology





### DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2022-2023

### K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

#### DEPARTMENT OF MECHANICAL ENGINEERING



<u>CERTIFICATE</u>

This is to certify that the internship work entitled "CNC PROGRAMMING AND OPERATING" is a bonafide work carried out by KUSHAL KADAM USN: 1KS20ME004 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of the Guide (Mr. Harish U) Associate Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr. Girish T R) Associate Professor & Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the Principal (Dr. DILIP KUMAR K) Principal & Director KSIT, Bengaluru – 109

#### **External Viva**

Name of the Examiners

- 1. Joheni A
- 2. Dr. Nismahl

Signature with date

m 21/5/24

### Page 11 of 41

### **INDUSTRY/ ORGANIZATION CERTIFICATE**



### ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ (ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನೋಂದಾಯಿತ ಸೊಸೈಟ)

#### Government Tool Room & Training Centre (A Registered Society under Government of Karnataka) Sub-centre, Sangama Road, KANAKAPURA - Ramanagara (Dist.) - 562 117. Tel: 080-29561075 E-mail: gttckanakapura@gmail.com

GTTC/K.pura/2022-23/STTP-INTERNSHIP

Date: 04-12-2023

# **INTERNSHIP CERTIFICATE**



This is to certify that Mr. KUSHAL KADAM bearing USN 1KS20ME004 of Kammavari Sangam Institute of Technology has successfully completed Internship Training Program at Govt Tool Room & Training Centre, Kanakapura.

From: 15-08-2023

To: 15-09-2023

His performance, interest, character and conduct are consistently good during the training period.

PRINCIPAL

Govt.Tool Room & Training Centre Sangam Road, Kanakapura-562:17

ಭಾರತ ಸರ್ಕಾರದಿಂದ ಮಾನ್ಯತೆ ಪಡೆದ ವೈಜ್ಞಾನಿಕ ಮತ್ತು ಕೈಗಾರಿಕಾ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ A Scientific & Industrial Research Organisation recognised by Govt. of India H.O. - Rajajinagar Industrial Estate, Bengaluru - 560 010 Tel No. 080-23152116, 23152119, 23152262, 23301683 Website : www.gttc.co.in e-mail: md.gttc@gmail.com

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## VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



An Internship Report

## "Aircraft and Aerospace Engineering"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

> Submitted by PRANITHA R 1KS20ME005

#### Internship Carried Out at

K-tech Centre of Excellence in Aerospace & Defence Visvesvaraya Technological University, Regional Office, Nagarbhavi, Bengaluru – 560 072

> Internal Guide Mr. Prasad K Associate Professor Dept. of Mechanical Engineering K S Institute of Technology







## DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

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#### K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

#### DEPARTMENT OF MECHANICAL ENGINEERING



**CERTIFICATE** 

This is to certify that the internship work entitled "AIRCRAFT AND AEROSPACE ENGINEERING" is a bonafide work carried out by PRANITHA R USN: 1KS20ME005 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

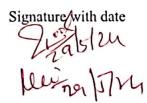
Signature of the Gui

(Mr. Prasad K) Associate Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr. Girish T R) Associate Professor and Head Dept. of Mechanical Engg. 49EaB@galwuDepartment Dept. of Mechanical Engg. K.S. Institute of Technology Bengaluru 560:109

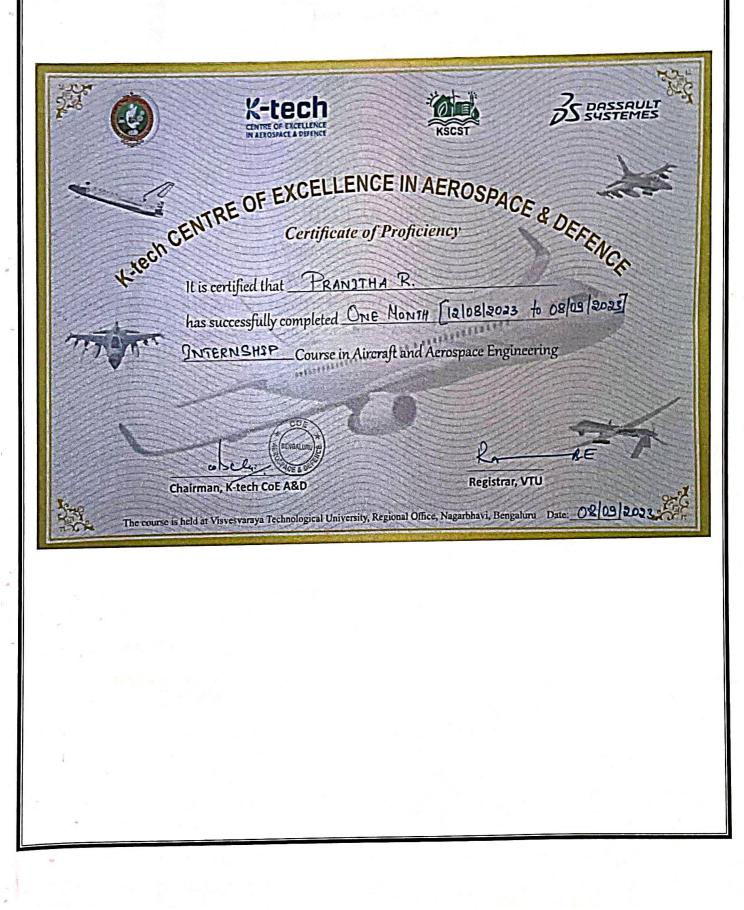
External Viva

Signature of the Principal (Dr. Dilip Kumar K) Principal & CEO KSIT, Bengaluru – 109



Name of the Examiners 1. Rohini-A 2. Dr-Niemale

# INDUSTRY/ ORGANIZATION CERTIFICATE



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

### "CNC PROGRAMMING AND OPERATING"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

> Submitted by SHALINI D S 1KS20ME006

Internship Carried Out at GOVT TOOL ROOM & TRAINING CENTRE Sangama Road, Kanakapura, Ramanagara (Dist.) - 562117

> Internal Guide Mr. Manjunatha B R

Assistant Professor Dept. of Mechanical Engineering K S Institute of Technology





DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

### Page 16 of 4

### K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

### DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the internship work entitled "CNC PROGRAMMING AND OPERATING" is a bonafide work carried out by SHALINI D S USN: 1KS20ME006 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Unny?

Signature of the Guide (Mr. Manjunatha B R) Assistant Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr. Girish T R) Associate Professor & Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Kuno

Signature of the Principal (Dr. DILIP KUMAR K) Principal & Director KSIT, Bengaluru – 109

#### **External Viva**

Name of the Examiners 1. Pohlni. A 2. Dr. Willinghe

Signature with date

### **INDUSTRY/ORGANIZATION CERTIFICATE**



ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ (ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನೋಂದಾಯಿತ ಸೊಸೈಟ)

Government Tool Room & Training Centre (A Registered Society under Government of Karnataka) Sub-centre, Sangama Road, KANAKAPURA - Ramanagara (Dist.) - 562 117. Tel: 080-29561075 E-mail: gttckanakapura@gmail.com

GTTC/K,pura/2022-23/STTP-INTERNSHIP

Date: 04-12-2023

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# **INTERNSHIP CERTIFICATE**

Certificate of competency is awarded for completion of Internship Training Program in CNC **Programming and Operating.** 

This is to certify that Mrs. SHALINED S bearing USN 1KS20ME006 of Kammavari Sangam Institute of Technology has successfully completed Internship Training Program at Govt Tool Room & Training Centre, Kanakapura.

From: 15-08-2023

To: 15-09-2023

Her performance, interest, character and conduct are consistently good during the training period.

PRINCIPAL. Gov. Tool Room & Training Centre Sangam Road, Kanakapura-562117

ಭಾರತ ಸರ್ಕಾರದಿಂದ ಮಾನ್ಯತೆ ಪಡೆದ ವೈಚ್ಚಾನಿಕ ಮತ್ತು ಕೈಗಾರಿಕಾ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ

A Scientific & Industrial Research Organisation recognised by Govt. of India H.O. - Rajajinagar Industrial Estate, Bengaluru - 560 010 Tel No. 080-23152118, 23152119, 23152262, 23301683 Website : www.gttc.co.in e-mail: md.gttc@gmail.com

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



An Internship Report

### "PRODUCTION PROCESS IN CNC MANUFACTURING"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

Submitted by

#### SHREYAS S K

#### 1KS20ME007

#### Internship Carried Out at

#### VIPRA MACHINE TOOLS PVT

29/30, 5th Main, 3rd Phase, Peenya Industrial Area, Bangalore 560 058.

Internal guide

Mr. RANGANATH N

Assistant professor

DEPARTMENT OF MECHANICAL ENGINEERING

K S INSTITUTE OF TECHNOLOGY





#### DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY #14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109

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### **K S INSTITUTE OF TECHNOLOGY** Bengaluru - 560 109

# DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the internship work entitled "PRODÚCTION PROCESS IN CNC MANUFACTURING" is a bonafide work carried out by SHREYAS S K USN: 1KS20ME007 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of guide

Mr. RANGANATH N Assistant Professor Department of Mechanical engineering KSIT, Bengaluru

Signature of HOD Dr. Girish T R Head of Department Department of Mechanical engineering KSIT, Bengaluru

juma,1

Signature of Principal Dr Dilip Kumar K Signature of guide Principal

KSIT, Bengaluru

Signature with Date

#### **EXTERNAL VIVA**

1. Kohini A 2. Dr Nilmall

# Page 20 of 41



Vipra Machine Tools (Pvt.) Ltd. Expressly for your precision machined components - THE CNC WAY

Date: 25.09.2023

#### CERTIFICATE

This is to certify that Mr SHREYAS S K (1KS20ME007) a student of K S Institute of Technology, Bengaluru has successfully completed the Internship\ Project Work towards the partial fulfilment for B E (Mechanical Engineering) degree from 11/08/2023 to 09/09/2023. The title of the Internship is " Production Process".

B R VISHWANATH Managing Director Vipra Machine Tools Pvt Ltd.



Ragd. Office & Factory : 29/30, 5th Maia, 3rd Phase, Peerya Industrial Area, Bangalure-560 658, Ph. : 91-80-42111283 / 283 / 284 mail : solutions@vipraiadia.com OSTDN : 29AAACV4800E1ZL CIN : U71210KA1991PTC011588 website : www.vipraiadia.com

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



An Internship Report

### "ENGINE PARTS MANUFACTURING AND ASSEMBLING"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

> Submitted by SUPRITH GOWDA J 1KS20ME008

Internship Carried Out at

# SANSERA ENGINEERING LTD.

Plant 2, No 261/C, Hosur road, Bommasandra Industri Area, Bengaluru-560099

### Internal Guide Dr. NAGAPRASAD K S

Associate Professor Dept. of Mechanical Engineering K S Institute of Technology





DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

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### K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

#### DEPARTMENT OF MECHANICAL ENGINEERING



#### <u>CERTIFICATE</u>

This is to certify that the internship work entitled "ENGINE PARTS MANUFACTURING AND ASSEMBLING" is a bonafide work carried out by SUPRITH GOWDA J USN: 1KS20ME008 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of the Guide (Dr. Nagaprasad K S) Associate Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109 Signature of the HOD (Dr. Girish T.R);ment Associate Professor & Head 9 Dept of Mechanical High 9 Def KSIT; Bengaluru K.S. III Bengaluru Bengaluru Afreno? 5

Signature of the Principal (Dr. DILIP KUMAR K) Principal & Director KSIT, Bengaluru – 109

**External Viva** 

Name of the Examiners 1. Dr. Nilmale L 2. Rohini · A Signature with date New 29/5/24 New 15/24





20.09.2023

# **CERTIFICATE**

This is to certify that Mr. Suprith Gowda J (USN NO- 1KS20ME008), BE in Mechanical Engineering student from K S Institute of Technology has completed his internship "Organisational Study" in our establishment from 21.08.2023 to 15.09.2023.

During his Internship, **Mr. Suprith Gowda J** spent quality time with Production and Quality department. He got a broad insight into the company and was introduced to various departments.

We wish him all success in his future endeavors.

FOR SANSERA ENGINEERING LTD.,

J (SUBASH A) MANAGER – HR VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590018



# An Internship Report "OVERHAULING OF DIESEL ENGINE

&

# AUTOMOTIVE COMPONENTS"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING

IN

**MECHANICAL ENGINEERING** 

Submitted by

# **PRAVEEN K**

# 1KS21ME400

Internship Carried Out at

### NANDI VISHWAVIDYALAYA

46/3A, Kudlu Gate, 7th Mile, Hosur Road, Bengaluru – 560 068

Internal Guide Mr. HARISH U Assistant Professor Dept. of Mechanical Engineering K S Institute of Technology





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DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY #14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

### K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

### DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the internship work entitled "OVERHAULING OF DIESEL ENGINE & AUTOMOTIVE COMPONENTS" is a bonafide work carried out by PRAVEEN K USN-1KS21ME400 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as itsatisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of the Guide (Mr. HARISH U) Assistant Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr. GIRISH T R) Associate Professor and Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the Principal (Dr. DILIP KUMAR) Principal & CEO KSIT, Bengaluru – 109

# **External Viva**

### Name of the Examiners

Poheni.A 1. Dr. Nilmabl 2.

Signature with date

K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

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# **INDUSTRY / ORGANIZATION CERTIFICATE**



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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

#### "CNC PROGRAMMING AND OPERATING"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

> Submitted by PRERAN GOWDA K 1KS21ME401

Internship Carried Out at GOVT TOOL ROOM & TRAINING CENTRE Sangama Road, Kanakapura, Ramanagara (Dist.) - 562117

> Internal Guide Dr. Harish U Assistant Professor

Dept. of Mechanical Engineering K S Institute of Technology





DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

### **INDUSTRY/ ORGANIZATION CERTIFICATE**



ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ (ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನೋಂದಾಯಿತ ಸೊಸೈಟ) Government Tool Room & Training Centre (A Registered Society under Government of Karnataka) Sub-centre, Sangama Road, KANAKAPURA - Ramanagara (Dist.) - 562 117. Tel: 080-29561075 E-mail: gttckanakapura@gmail.com

GTTC/K,pura/2022-23/STTP-INTERNSHIP

Date: 04-12-2023

Page 28 of 41

# **INTERNSHIP CERTIFICATE**

Certificate of competency is awarded for completion of Internship Training Program in CNC Programming and Operating.

This is to certify that Mr. PRERAN GOWDA K bearing USN 1KS21ME401 of Kammavari Sangam Institute of Technology has successfully completed Internship Training Program at Govt Tool Room & Training Centre, Kanakapura.

From: 15-08-2023

#### To: 15-09-2023

His performance, interest, character and conduct are consistently good during the training period.

PRINCIPAL PRINCIPAL Govt.Tool Room & Training Centre Sangam Road, Kanakapura-552117

ಭಾರತ ಸರ್ಕಾರದಿಂದ ಮಾನ್ಯತೆ ಪಡೆದ ವೈಚ್ಛಾನಿಕ ಮತ್ತು ಕೈಗಾರಿಕಾ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ A Scientific & Industrial Research Organisation recognised by Govt. of India H.O. - Rajajinagar Industrial Estate, Bengaluru - 560 010 Tel No. 080-23152118, 23152119, 23152262, 23301683 Website : www.gttc.co.in e-mail: md.gttc@gmail.com

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

#### "AUTOMOTIVE COMPONENTS AND MAINTENANCE"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

> Submitted by VINEETH P 1KS21ME402

Internship Carried Out at NANDI VISHWAVIDYALAYA 46/3A, Kudlu Gate, 7<sup>th</sup> Mile, Hosur Road, Bengaluru – 560 068

> Internal Guide Dr. SALEEM KHAN Assistant Professor Dept. of Mechanical Engineering K S Institute of Technology





DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

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### **K S INSTITUTE OF TECHNOLOGY** Bengaluru - 560 109

### DEPARTMENT OF MECHANICAL ENGINEERING



#### CERTIFICATE

This is to certify that the internship work entitled "AUTOMOTIVE COMPONENTS AND MAINTENANCE" is a bonafide work carried out by VINEETH P USN: 1KS21ME402 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

the Guide Signature of (Dr. Saleem Khan) Assistant Professor Dept. of Mechanical Engg. KSIT, Bengaluru - 109

(Dr. Girish T R) Associate Professor and Head Dept. of Mechanical Engg. KSIT, Bengaluru - 109

Signature of the Principal (Dr. Dilip Kumar K) Principal KSIT, Bengaluru - 109

#### **External Viva**

Signature with date an 29/171,

Name of the Examiners

1. Rohini A 2. Dr Milmabl



Nandi Toyota 46/3A, Kudlu Gate, 7th Mile Hosur Road, Bengaluru - 560 068 (NVV/ISP/06/2023)

Dean Nandi Vishwavidyalaya 25Sept. 2023

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



**An Internship Report** 

"Belt Conveyor Design Assessment"

Submitted in partial fulfillment for the award of degree of BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

> Submitted by Shreyas H Vasist 1KS19ME031

Internship Carried Out at SIEMENS LOGISTICS, Skymark one, Noida, Uttar pradesh

Internal Guide Dr.Saleem Khan Assistant Professor Dept. of Mechanical Engineering K S Institute of Technology



### SIEMENS

### DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109 2023-2024

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#### **K S INSTITUTE OF TECHNOLOGY**

Bengaluru - 560 109

#### DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the internship work entitled "Belt Conveyor Design Assessment" is a bonafide work carried out by SHREYAS H VASIST USN: 1KS19ME031 in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of the Guide (Dr.Saleem Khan) Assistant Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr.Girish T R) Associate Professor and Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109 Head of the Department Dept. of Mechanical Engg. K.S. Institute of Technology Bengaluru ~ 560 109

**External Viva** 

Signature of the Principal (Dr.Dilip Kumar) Principal KSIT, Bengaluru – 109

Signature with date

Name of the Examiners

- and

1.

2.

### Page 34 of 41

### **INDUSTRY/ ORGANIZATION CERTIFICATE**

### SIEMENS

Name Department Telephone E-mail Your letter of Our reference Date

Kishor N People & Organization 18004196677 Kishor n@siemens.com

GBS H2R IN ASK IN January 22, 2024

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Shreyas H Vasist student of K. S. Institute of Technology, has successfully completed his internship in our organization from August 23, 2023 to September 14, 2023.

We wish him every success in his future endeavors.

Yours faithfully, For Siemens Logistics India Private Limited.

Malhotra Ajay

Ajay Malhotra Senior Manager - Hire to Retire

Slamens Logistics India Private Limited Corporate Identity Number : U93000MH2013FTC243776 Plot 6A, Sector - 18 Maruti Industrial Area HUDA, Gurgaon - 122015

Tel.: +91 (124) 383 6000 Fax: +91 (124) 383 6868

Registered Office: Plot No. 2, Sector No. 2, Kharghar Node, Navi Mumbai - 410210; Telephone +91 22 39677000. Fax +91 22 39677500

### Page 35 of 41

### **INTERNSHIP REPORT**

On

#### **"OVERHAULING OF DIESEL ENGINE"**

#### AND

#### **"STEERING SYSTEM"**

### Submitted to

### VISVESVARAYA TECHNOLOGY UNIVERSITY

Jnana Sangama, Belgaum, Karnataka



In the partial fulfilment of the requirement for the award of the degree BACHELOR OF ENGINEERING

In

### **MECHANICAL ENGINEERING**

Submitted by

Venkanagouda.MP

USN= 1KS19ME038

#### UNDER THE GUIDANCE OF

**Assistant Professor** 

Rajesh G.L

**Department of Mechanical Engineering** 



DEPARTMENT OF MECHNICAL ENGINEERING

# K S INSTITUTE OF TECHNOLOGY Raghuvanahalli, Kanakapura Road, Bangalore-560062 DEPARTMENT OF MECHANICAL ENGINEERING



### **CERTIFICATE**

Certified that the Internship entitled ,"OVERHAULING OF DIESEL ENGINE" is a bonafide work carried out in the department by Venkanagouda M.P (1KS19ME038) bearing in the partial fulfilment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University(VTU), Belgaum during the academic 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 seminar report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

Signature of the Guide

(Mr. Harish U) Associate Professor Dept. of Mechanical Engg KSIT, Bengaluru – 109

Signature of the HOD

(Dr. Girish T R) Associate Professor & Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the Principal

(Dr. DILIP KUMAR K) Principal & Director KSIT, Bengaluru – 109 PRINCIPAL K.S. INSTITUTE OF TECHNOLOGY BENGALURU - 560 103.



### VISVESVARAYA TECHNOLOGICAL UNIVERSITY JNANASANGAMA, BELAGAVI - 590 018



#### An Internship Report

#### "NX CADD"

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

Submitted by

### MADHU KIRAN H 1KS18ME421

Internship Carried Out at GOVT.TOOL ROOM AND TRAINING CENTRE Rajaji Nagar Industrial Town, Bangalore-560023

### Internal Guide

Mr. RAJESH .GL Assistant Professor Dept. of Mechanical Engineering K S Institute of Technology





### DEPARTMENT OF MECHANICAL ENGINEERING K S INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura main road, Bengaluru-560109

2023-2024

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K S INSTITUTE OF TECHNOLOGY Bengaluru - 560 109

### DEPARTMENT OF MECHANICAL ENGINEERING



#### **CERTIFICATE**

This is to certify that the internship work entitled "NX CADD" is a Bonafede work carried out by MADHU KIRAN H USN: 1KS18ME421 in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said Degree.

Signature of the Guide (Mr. RAJESH GL) Assistant Professor Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the HOD (Dr. GIRISH TR) Associate Professor and Head Dept. of Mechanical Engg. KSIT, Bengaluru – 109

Signature of the Principal (Dr. DILIP KUMAR K) Principal & Director

KSIT, Bengaluru-109

#### **External Viva**

Name of the Examiners

1. Dr. NiemaleL 2. Signature with date

lev 29/5/24

### Page 40 of 41

# **INDUSTRY / ORGANIZATION CERTIFICATE**



ಸರ್ಕಾರಿ ಉಪಕರಣಾಗಾರ ಮತ್ತು ತರಬೇತಿ ಕೇಂದ್ರ (ಹಾಗಟಕ ಸರ್ಕಾದ ಸೋಂಗಾತ ಸಂಭಟ) Government Tool Room & Training Centre (A fregistered Society under Covernment of Kannataka)

#### LETTER OF INTERNSHIP

#### To,

Date:-14-09-2023

The Principal K.S. Institute o Technology, Bengaluru-560109.

Respected Sir/ Madam, Subject: Completion of Student internship Program.

Government Tool Room and Training Centre is pleased to inform you that Mr. Madin Elevan H (ESEXMEDI)student of 6<sup>th</sup> Semester Mechaniza Engineering branch of your institution was admitted for internship with us and He was offered interrship in the domain of "NN-CAD" and the training program was scheduled from 23<sup>rd</sup> August1023 to 23<sup>rd</sup> September 2023.

Ecst Regards.

14-1.7 Co-ordina.or

'וון ד המזל בדר 1010-7'' קולד המזל בדר 1010-7'' קולד בהידלובים בחקל בלוב לימון ל בזה להודי גמלוויקה גמל A Scientific & Industrial Research Organization Recomised by Govt, a' India Rajajina pri Industrial Estate, Bengalum-560010 Tel No. 850-10152110, 2015213, 215222, 2010103 Website : www.gttc.co.in e-nail: : nd.gm@gmail.com