



सत्यमेव जयते

Govt. of India
Ministry of Defence
DEFENCE RESEARCH & DEV. ORGN.
DEFENCE RESEARCH & DEV.
LABORATORY
PO: KANCHANBAGH
HYDERABAD - 500 058
Ph.040-24583150, Fax No.040-24583154

Letter .No. DRDL/DHR&TM/HRD/PROJECT/2020

Dated: 28 Sep, 2020

CERTIFICATE

This is to certify that Shri **J NIKHIL** student of **B.E. Mechanical Engineering (Roll No. 1602-16-736-026)** of **VASAVI COLLEGE OF ENGINEERING**, Hyderabad has undergone the Internship for a period of three months from **29th Nov, 2019 to 28th Feb, 2020** in Defence Research & Development Laboratory (DRDL), Kanchanbagh, Hyderabad. He has successfully completed the Internship under the guidance of **Shri. JAGAN MOHANA CHARY.C, Scientist 'D'**. His Project title was "**DESIGN AND DEVELOPMENT OF 20 kgf HYDRAZINE MONO PROPELLANT THRUSTER**".

During his internship period for three months, he was found to be sincere & hard working. He also took keen interest in the learning about Design and development of Liquid Propulsion Systems.

(JAGAN MOHANA CHARY.C)
Scientist 'D'
DOLP

(Dr. K. NAGESWARA RAO)
Scientist 'G'
Director, HR&TM



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Ph.040-24583150, Fax No.040-24583154

Letter .No. DRDL/DHR&TM/HRD/PROJECT/2020

Dated: 28 Sep, 2020

CERTIFICATE

This is to certify that Shri **AMARAM ARAVIND REDDY** student of **B.E. Mechanical Engineering (Roll No. 1602-16-736-301)** of **VASAVI COLLEGE OF ENGINEERING**, Hyderabad has undergone the Internship for a period of three months from **29th Nov, 2019** to **28th Feb, 2020** in Defence Research & Development Laboratory (DRDL), Kanchanbagh, Hyderabad. He has successfully completed the Internship under the guidance of **Shri. JAGAN MOHANA CHARY.C, Scientist 'D'**. His Project title was "**DESIGN AND DEVELOPMENT OF 20 kgf HYDRAZINE MONO PROPELLANT THRUSTER**".

During his internship period for three months, he was found to be sincere & hard working. He also took keen interest in the learning about Design and development of Liquid Propulsion Systems.

(JAGAN MOHANA CHARY.C)
Scientist 'D'
DOLP

(Dr. K. NAGESWARA RAO)
Scientist 'G'
Director, HR&TM

CYIENT

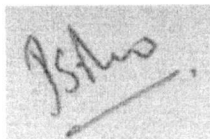
25th Sept 2020

CERTIFICATE

This is to certify that Mr. **D MOHAN** (1602-16-736-021), final year student of B.E (Mechanical Engineering) of VASAVI COLLEGE OF ENGINEERING, Hyderabad has done his internship/project at **CYIENT LIMITED**, Hyderabad.

The project work titled "**DESIGN ANALYSIS AND OPTIMIZATION OF DRIVE SHAFT USING COMPOSITE MATERIALS**" is a bonafide work carried out by him under my guidance and supervision. He was found to be sincere and hardworking and took a keen interest in the areas allied to his project work from 08th Jan 2020 to 04th April 2020.

We wish him all the best in his future endeavors.



Dr Srinivasa Rao Perla

Senior Manager-Technical Training | Learning & Development
Cyient | Mobile: +91 984 996 8595

Direct: +91 40 6748 9925 | Xtn. 3925

Cyient Ltd

4th Floor, A Wing, 11 Software
Units Layout, Madhapur
Hyderabad - 500 081
India

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CIN: L72907G199187C003134
T: +91 40 6764 1000
F: +91 40 2311 0352

For any queries, contact us at: hr@cyient.com

CERTIFICATE

Mohammed Tanveer ahmed with roll No:- 1602-16-736-308 hereby declare that the material presented in the project report titled "Development and part programme manufacturing of the component IC body of Konkur's "M" missile on CNC milling" represents original work carried out by me in the Department of Mechanical Engineering to the Vasavi College of Engineering, Imbrahimbagh during the years 2019 - 2020. With my signature, I certify that:

- I have not manipulated any of the data or results.
- I have not committed any plagiarism of intellectual property. I have clearly indicated and referenced the contributions of others.
- I have explicitly acknowledge all collaborative research and discussions.
- I have understood that any false claim will result in severe disciplinary action.
- I have understood that the work may be screened for any form of academic misconduct.

Date: 30.09.2020


Student signature

In my capacity as supervisor of the above mentioned work, I certify that the work presented in this report is carried out under my supervision, and is worthy of consideration for the requirements of internship work during the period

02.2020 to 18.03.2020

Mr R Updender PMS Manager, BDL



Advisors Signature
आर. उपेन्दर
R. UPENDER
 वरिष्ठ प्रबंधक (व.उ.-पीएमएस एवं जीएमएस)
 Senior Manager (CP-PMS & GMS)

AVISHKAR
INDUSTRIES PVT. LTD

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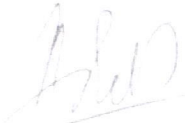
CERTIFICATE

This is to certify that Mr. I.Abinav (1602-16-736-315) has successfully completed his industrial project titled "*Design, Modeling, Analysis and Fabrication of Swiveling Conveyor*" as a part of his curriculum with us during the academic year 2019-20.

For Avishkar Industries Private Limited



Kanak Kabra
Director



Ataur Rehman
General Manager &
Project Co-ordinator

Date: 29/06/2020
Place: Hyderabad

Regd. Office :

Survey No. 42/A, Alinagar Hamlet, Chetlapotharam, Gaddapotharam Gram Panchayat, Jinnaram (M),
Medak Dist. (502 319) Telangana, India.

Web : www.avishkarindustries.com **Email :** sanjaykabra@avishkarindustries.com

CIN : U29199TG1982PTC003494 **GSTIN :** 36AAICA7714J1ZH

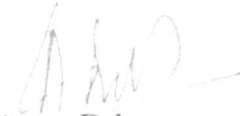
CERTIFICATE

This is to certify that Mr. K.Akhil (1602-16-736-321) has successfully completed his industrial project titled "*Design, Modeling, Analysis and Fabrication of Swiveling Conveyor*" as a part of his curriculum with us during the academic year 2019-20.

For Avishkar Industries Private Limited


Kanak Kabra
Director




Ataur Rehman
General Manager &
Project Co-ordinator

Date: 29/06/2020

Place: Hyderabad

Regd. Office :
Survey No. 42/A, Alinagar Hamlet, Chetlapotharam, Gaddapotharam Gram Panchayat, Jinnaram (M),
Medak Dist. (502 319) Telangana, India.
Web : www.avishkarindustries.com Email : sanjaykabra@avishkarindustries.com
CIN : U29199TG1982PTC003494 GSTIN : 36AAICA7714J1ZH

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited



B 14

कॉर्पोरेट अनुसंधान एवं विकास प्रभाग, विकासनगर, हैदराबाद - 500 093. भारत
Corporate Research & Development Division, Vikasnagar, Hyderabad - 500 093, (A.P.) INDIA.

फोन / Phone: 040 - 23770066, फैक्स / Fax: 040 - 23776320, मेल / E-mail: hrd@bhelrnd.co.in

मानव संसाधन विकास एवं उन्नत प्रौद्योगिकी शिक्षा केंद्र / HUMAN RESOURE DEVELOPMENT & ADVANCED TECHNICAL EDUCATION CENTRE



Date: 25/09/2020

This is to certify that the Project work entitled "Solid Modeling and tool Path Generation for Manufacturing of Hydro Turbine Runner Using 3-Axis CNC Machining" is a record of bonafide work carried out in "Technology Development Lab (TDL)" during the period from 31.01.2020 to 30.04.2020 by

Mr. Chandra Sourabh A

Roll No: 1602-16-736-067

Ms. Niharika A

Roll No: 1602-16-736-087

Mr. Rohanth Reddy PV

Roll No: 1602-16-736-092

Student of Final Year B.E. Department of Mechanical Engineering, from Vasavi College of Engineering, affiliated to Osmania University, Hyderabad for the Academic Year 2019-2020 in Partial fulfillment for the Award of Degree of Bachelor of Engineering (B.E.) with specialization in "Mechanical Engineering".

Head, HRD & ATEC

LM/GH

Project Guide

विभागाध्यक्ष, मानव संसाधन विकास एवं उन्नत प्रौद्योगिकी शिक्षा केंद्र
V. P. S. RAO
HUMAN RESOURCE DEVELOPMENT & ADVANCED TECHNICAL EDUCATION CENTRE
HYDERABAD

जी. माधवुलु / G. MADHAVULU प्रबंधक (टी.डी.एल.) / Manager (TDL)
Dept. Library Copy (टी.डी.एल.) बी.एच.ई.एल., कॉ. अनु एवं वि / BHEL Corp. R&D
Addl. GENERAL MANAGER (TWA) विकासनगर / VIKASNAGAR
हैदराबाद / HYDERABAD - 500 093.



Centre For Product Design, Development And

Additive Manufacturing (CPDDAM)

(A Centre of Excellence of OU under RUSA 2.0, MHRD, GoI)

Ground Floor, TDC Building,

University College of Engineering (Autonomous),

OSMANIA UNIVERSITY, Hyderabad- India – 500007.

E-mail: cpddam@osmania.ac.in

Ph: 9440408333, 9849867046, 9989974009



No: 207/CPDDAM/RUSA2.0/OU

Date: 02-07-2020

CERTIFICATE

This is to certify that **Akkali Mahaveer Prasad (1602-16-736-314)** and **Nagaraboina Mahender (1602-16-736-077)** students of Vasavi College of Engineering (Autonomous), affiliated to Osmania University, Hyderabad have gone through Undergraduate internship programme for a period of 6 months i.e from January 2020 to June 2020 at 'Centre for Product Design, Development and Additive Manufacturing, O.U' and successfully completed their B.Tech. project work entitled "**Design, Analysis and Building of Knee Replacement Implant using Additive Manufacturing Technology**" under my supervision.

During the internship, they were regular to the centre and their performance was satisfactory.



(Prof. Sriram Venkatesh)

DIRECTOR

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CERTIFICATE

This is to certify that **Mr. K.Abhilash (1602-16-736-061)** has successfully completed his industrial project titled "***Design, Analysis and Fabrication of Belt Conveyors***" as a part of his curriculum with us during the academic year 2019-20.

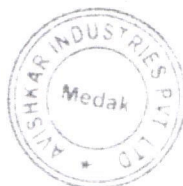
For Avishkar Industries Private Limited



Kanak Kabra
Director



Ataur Rehman
General Manager &
Project Co-ordinator



Date: 29/06/2020

Place: Hyderabad

Regd. Office :

Survey No. 42/A, Alinagar Hamlet, Chetlapotharam, Gaddapotharam Gram Panchayat, Jinnaram (M),
Medak Dist. (502 319) Telangana, India.

Web : www.avishkarindustries.com Email : sanjaykabra@avishkarindustries.com

CIN : U29199TG1982PTC003494 GSTIN : 36AAICA7714112H


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CERTIFICATE

This is to certify that **Mr. D. Rohan (1602-16-736-099)** has successfully completed his industrial project titled "*Design, Analysis and Fabrication of Belt Conveyors*" as a part of his curriculum with us during the academic year 2019-20.

For Avishkar Industries Private Limited


Kanak Kabra
Director




Ataur Rehman
General Manager &
Project Co-ordinator

Date: 29/06/2020

Place: Hyderabad

Regd. Office :

Survey No. 42/A, Alinagar Hamlet, Chetlapotharam, Gaddapotharam Gram Panchayat, Jinnaram (M),
Medak Dist. (502 319) Telangana, India

Web : www.avishkarindustries.com **Email :** sanjaykabra@avishkarindustries.com

CIN : U29199TG1982PTC003494 **GSTIN :** 36AAICA7714J1ZH

ELECTRO OPTICAL INSTRUMENTS RESEARCH ACADEMY (ELOIRA)
(A society under Government of India, Ministry of Defence)
VIGNYANAKANCHA POST, HYDERABAD, 500069
Ph No. 91-40- 24597788, Fax: 04024306145
Email: dean@eoiracademy.org



DNV-GL ISO 9001:2008 AND AS9100C

29th September, 2020

No. ELOIRA/PJ_CERT/2020/06

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the following students of Fourth year B.Tech (Mechanical) in Vasavi College of Engineering (autonomous), Ibrahimbagh, Hyderabad has completed their project work on **"DESIGN OPTIMIZATION OF MAGNETIC SHIELDS USED IN RING LASER GYROSCOPES"** from 21st January, 2020 to 30th May, 2020.

- 1) Mr. A. ADITYA RAJ GOKUL - 1602-16-736-062
- 2) Mr. NISHANT JAJOO - 1602-16-736-089
- 3) Mr. A. SURYA PRANEET - 1602-16-736-115

They are very sincere and hard working persons and took very keen interest in the subject assigned to them and other related areas of Ring Laser Gyro functioning.

They bear good moral character and we wish them a very bright and successful future ahead.

M.V.S. Ravi Kumar
29.9.2020

(MVYS Ravi Kumar)
Sc 'H' & DEAN ELOIRA
MVYS RAVI KUMAR
DEAN
Electro Optical Instruments
Research Academy
HYDERABAD 500 069





राष्ट्रीय लघु उद्योग निगम—तकनीकी सेवा केन्द्र
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E.C.I.L X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 168264

दिनांक / Date: 06/03/2020

Certificate

This is to certify that Mr. / Ms. M Sriharsha
son/daughter of Mr. M Sridhar Rao pursuing BE in Mech. from
(College Name) Vasavi College of Engineering

Roll No. 1602-16-736-112 has successfully completed the Main Project
entitled/in the area of Design, Analysis and Manufacturing of Disc Brake Rotor


under
our guidance. It is a bonafide work carried out by her/him from 20/01/2020 to 04/03/2020

He/She has completed the assigned module as per the requirements within the time frame.

During the above period, the trainee's conduct was found Good.


Project Coordinator




Centre Head

यह प्रमाण पत्र होलोग्राम लगा होने के साथ ही मान्य होगा / This Certificate shall be valid only with affixed hologram

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एन एस आई सी
N S I C

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E.C.I.L.X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 168263

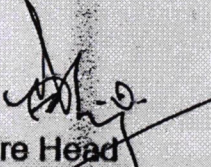
दिनांक / Date: 06/03/2020

Certificate

This is to certify that Mr. / Ms. K Sai Ratandeeep
son/daughter of Mr. K Sridhar pursuing BE in Mech. from
(College Name) Vasavi College of Engineering
Roll No. 1602-16-736-104 has successfully completed the Main Project
entitled/in the area of Design, Analysis and Manufacturing of Disc Brake Rotor
under
our guidance. It is a bonafide work carried out by her/him from 20/01/2020 to 04/03/2020
He/She has completed the assigned module as per the requirements within the time frame.
During the above period, the trainee's conduct was found Good.


Project Coordinator




Centre Head

यह प्रमाण पत्र होलोग्राम लगा होने के साथ ही मान्य होगा / This Certificate shall be valid only with affixed hologram



एन एस आई सी
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E.C.I.L X Road, Kushaiguda, Hyderabad - 500062, Telangana, India.



क्रमांक / S.No. 168257

दिनांक / Date: 06/03/2020

Certificate

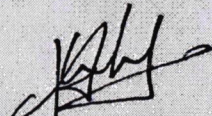
This is to certify that Mr. / Ms. Shaik Tabassum
son/daughter of Mr. Shameer Basha Shaik pursuing BE in Mech. from
(College Name) Vasavi College of Engineering

Roll No. 1602-16-736-116 has successfully completed the Main Project
entitled/in the area of Design, Analysis and Fabrication of Disc Brake Rotor

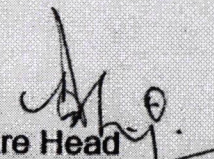
under
our guidance. It is a bonafide work carried out by her/him from 20/01/2020 to 04/03/2020

He/She has completed the assigned module as per the requirements within the time frame.

During the above period, the trainee's conduct was found Good.


Project Coordinator




Centre Head

यह प्रमाण पत्र दोलघोषण तथा सेने के साथ ही मान्य होगा / This Certificate shall be valid only with affixed hologram



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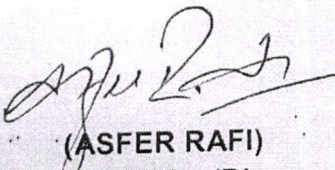
Letter .No. DRDL/DP&R/HRD/PROJECT/2020

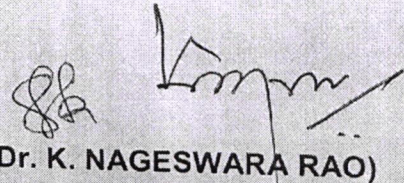
Dated: 05th Oct, 2020

CERTIFICATE

This is to certify that **Mr. NAVEEN M** (Roll no. 1602-16-736-086) Student of IV Year B.E. (Mechanical Engineering) of **VASAVI COLLEGE OF ENGINEERING, Hyderabad** has successfully completed Major Project “**OPTIMIZATION OF MACHINING PARAMETERS ON CNC TURN LATHE USING REGRESSION ANALYSIS**” at General Machining Center-II of Directorate of Engineering, DRDL, Kanchanbagh, Hyderabad from 06-02-2020 to 30-07-2020.

During this period, he was found to be sincere & hard working.


(ASFER RAFI)
Scientist 'D'
Directorate of Engineering


(Dr. K. NAGESWARA RAO)
Scientist 'G'
Director, HR&TM





सत्यमेव जयते

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HYDERABAD – 500 058
Ph.040-24583150, Fax No.040-24583154

Letter .No. DRDL/DP&R/HRD/PROJECT/2020

Dated: 05th Oct, 2020

CERTIFICATE

This is to certify that **Mr. PRANAY NEHANTH R** (Roll no. 1602-16-736-093) Student of IV Year B.E. (Mechanical Engineering) of **VASAVI COLLEGE OF ENGINEERING, Hyderabad** has successfully completed Major Project **“OPTIMIZATION OF MACHINING PARAMETERS ON CNC TURN LATHE USING REGRESSION ANALYSIS”** at General Machining Center-II of Directorate of Engineering, DRDL, Kanchanbagh, Hyderabad from 06-02-2020 to 30-07-2020.

During this period, he was found to be sincere & hard working.

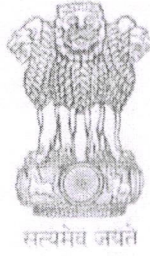
(ASFER RAFI)
Scientist 'D'

Directorate of Engineering

(Dr. K. NAGESWARA RAO)
Scientist 'G'

Director, HR&TM





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Ph.040-24583150, Fax No.040-24583154

Letter .No. DRDL/DP&R/HRD/PROJECT/2020

Dated: 05th Oct, 2020

CERTIFICATE

This is to certify that **Mr. SHESHANK C** (Roll no. 1602-16-736-108) Student of IV Year B.E. (Mechanical Engineering) of **VASAVI COLLEGE OF ENGINEERING, Hyderabad** has successfully completed Major Project “**OPTIMIZATION OF MACHINING PARAMETERS ON CNC TURN LATHE USING REGRESSION ANALYSIS**” at General Machining Center–II of Directorate of Engineering, DRDL, Kanchanbagh, Hyderabad from 06-02-2020 to 30-07-2020.

During this period, he was found to be sincere & hard working.

(ASFER RAFI)
Scientist 'D'
Directorate of Engineering

(Dr. K. NAGESWARA RAO)
Scientist 'G'
Director, HR&TM

