

भारत सरकार
अंतरिक्ष विभाग
विक्रम साराभाई अंतरिक्ष केंद्र
तिरुवनंतपुरम - 695 022, भारत
दूरभाष : 0471-2562444 / 2562555
फैक्स : 0471-2705345



Government of India
Department of Space
Vikram Sarabhai Space Centre
Thiruvananthapuram - 695 022, India
Phone : 0471-2562444 / 2562555
Fax : 0471-2705345

No.2/3/GSS/GR/T-7180

General Services Section,

08/07/2021

CERTIFICATE OF GRADUATE APPRENTICESHIP TRAINING (UNDER APPRENTICES ACT 1961 OF GOVERNMENT OF INDIA)

Name of Apprentice Trainee : Shri/Smt/Kum.SANDEEP S

Residential Address : Ambat House, Opp PWD Rest House,
Thodupuzha,Idukki-685584

Discipline : MECHANICAL ENGINEERING

Period of Training : 02/01/2020 TO 08/07/2021*

Monthly Stipend : Rs.9000/-

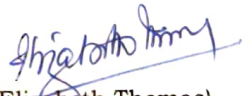
Character & Conduct : Very Good

General Grading : Excellent

Area of Training : During the period of training, he has been trained in the areas of CNC programming and machining of aerospace components related to various launch vehicle programs of ISRO. He has good working knowledge in toolpath and NC code generation for 3-axis & 5-axis CNC milling machines using CAM softwares- HyperMill 2019 and Mastercam X7. He has acquired in-depth knowledge in 2D drawing and 3D modeling using CAD softwares- AutoCAD Mechanical 2018, CATIA V5 and Mastercam X7. He has got hands-on experience in reading engineering drawings, handling general and precision measuring instruments. He has shown proficiency in production planning & control, process planning and generation of manufacturing sequence & stage drawings. He has also obtained training from the allied department of Rocket & Payload Fabrication Facility.

(*Extension beyond one year against the lockdown period)




(Elizabeth Thomas)
Administrative Officer



सत्यमेव जयते

PRECISION & PROTOTYPE FABRICATION FACILITY

IFF/MME

To whomsoever it may concern

This is to certify that **Shri. Sandeep S**, S/o Shri. Santhosh B, Ambat House, Thodupuzha PO, Idukki, Kerala-685 584, has worked as a Graduate Apprentice (Mechanical Engineering) at **Precision & Prototype Fabrication Facility (PPFF)** of **Internal Fabrication Facility (IFF)** of **Materials & Mechanical Entity (MME)**, **Vikram Sarabhai Space Centre (VSSC)**, **ISRO**, Thiruvananthapuram, for a period of one year from 02/01/2020 to 08/07/2021. (Extended due to COVID-19 pandemic)

He has gained experience in the areas of CNC programming and machining of aerospace components related to various launch vehicle programs of ISRO. He has good working knowledge in toolpath and NC code generation for 3-axis & 5-axis CNC milling machines using CAM softwares- *HyperMill 2019* and *Mastercam X7*. He has acquired in-depth knowledge in 2D drawing and 3D modeling using CAD softwares- *AutoCAD Mechanical 2018*, *CATIA V5* and *Mastercam X7*. He has got hands-on experience in reading engineering drawings, handling general and precision measuring instruments. He has shown proficiency in production planning & control, process planning and generation of manufacturing sequence & stage drawings. He has also obtained training from the allied department of Rocket & Payload Fabrication Facility.

Shri. Sandeep S. has shown very good initiative in learning new technologies and has always executed the assigned work with utmost sincerity and dedication. He is hardworking and has good commitment towards work. His conduct and character has been very good. I wish him all success in his future endeavors.

Place: Thiruvananthapuram

Date: 08/07/2021



(**Abraham K Varughese**)

एब्राहम के वरुगीस/ABRAHAM K VARUGHESE
उप महाप्रबंधक/Deputy General Manager
पी पी एक एफ/आई एक एफ/एम एम ई/PPFF/IFF/MME
वीएसएससी, तिरुवनन्तपुरम / VSSC, Thiruvananthapuram