CLEMENT FRANCIS

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Date of birth : 1997.12.22

Age - 24

Anscrift :

Moselweißer strasse 56,

56073, Koblenz

Citizenship :

India

Work experience

Intern at Leifheit AG, Nassau, Germany [01.03.2022- 31.07.2022]

Title: "Test laboratory and plant engineering".

- Design, construction and manufacture of test stands and test benches.
- Implementation, Evaluation and documentation of endurance function and comparison tests.
- Work with PLC SIEMENS S-7 and various data acquisition and control systems.
- Modification, maintenance and servicing of the test systems in the test laboratory

TOOLS: CATIA V5, FMEA, GVTP (General Verification Test Plan), PVTP (Product Verification Test Plan), SIEMENS TIA V13

Trainee/Intern as Production Engineer [02/05/2019- 31/10/2019]

- Jupiter Surface Technologies - Manufacturer, chennai (India)

- Reviews equipment installation, workflow optimisation, ball alignment and levelling, and performs regular quality control checks for shot peening and shot peening equipment.

TOOLS: FMEA, non-destructive testing (NDT), Kanban

TRAINING

- **Master in "Simulation and System Design"** [03/2021 - until now]

 Stralsund University of Applied Sciences, Faculty of Mechanical Engineering

- **Bachelor in "Production Engineering"** [08/2015 - 04/2019]

 Sri Sairam Engineering College, Chennai, India. Final grade **1.8**

PROJECTS

- Analysis of a biodegradable nanocomposite for food packaging using LDPE and nano-alumina as additive, **Sri Sairam Engineering University, India.** [11/2018 - 04/2019]

- LDPE (Low Density Polyethylene), which is doped with nano-aluminium oxide particles and produced by melt intercalation, is subjected to various tests.

SOFTWARE KNOWLEDGE

- ANSYS WORKBENCH
- CATIA V5
- SOLIDWORKS
- AUTOCAD
- MINITAB
- SIMPLAN

PROGRAMMING

- C & C++
- Python
- MATLAB

PC SKILLS

- MS Office applications

(Excel, PowerPoint, Outlook)

Languages:

- English   Flow
- German   Basic knowledge

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subjected to a test to determine its properties

TOOLS: SEM(Structured Electron Microscope), Gabi

Formula Bharat (2019) and Formula Green (2017-2019) , India .Head of Design Team under the team "Smokin' Axles" [07/2018 - 03/2019].

- our team SMOKIN' AXLES has its debut car ECLIPSE. SMOKIN' AXLES is a team divided into teams such as design, manufacturing, electrical and technical and safety teams that design and build formula cars on their own according to the rules and regulations.

- Design of the chassis with CATIA and analysis of the impact load under different conditions with ANSYS

"Robot-based system for cleaning between tracks" , SMART INDIA HACKATHON 2018, India [12/2017 - 4/2018].

- Collection of lighter waste by pressure controlled vacuum suction and collection of heavier waste by robotic arm with Arduino servo controller with Raspberry Pi.

TOOLS: MATLAB, Python

"Design and manufacture of a rear wing spoiler" [06/2018 - 11/2018].

- "Design and fabrication of a rear spoiler for an F4- vehicle made of fibre reinforced plastic and assembly with nuts and bolts. The spoiler was subjected to a fluent analysis in ANSYS Workbench".

PROFESSIONAL COMPETENCES + + + + +

- lean and six sigma (green belt certification) + + + +
- Chassis construction + + + + + +
- impact analysis   + + +
- FMEA   + + +
- Value stream mapping + + +