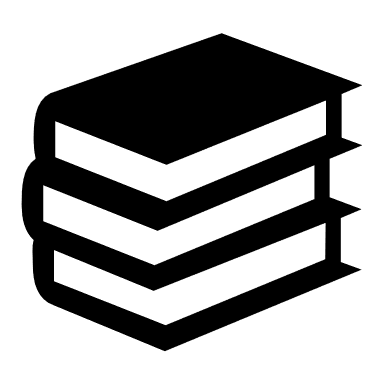
**Education**

**2020- Present**

* Hochschule Rhein-Waal University of Applied Sciences, Kleve, Germany
* Grade Average: 2.1 (German grading system)

**Master of Science in Mechanical Engineering with focus on Design & Development**

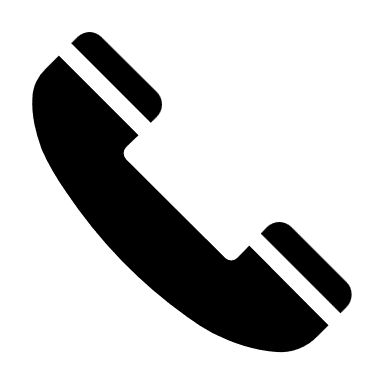


Phone number: +49 (0) 1607606531

E-Mail: mohammed.rameeznb@gmail.com

Linkedin: <https://www.linkedin.com/in/mohammed-rameez-njarakattil-basheer-32251b170/>

**Contact**



**Date of Birth** : 04.11.1994

**Place of Birth** : Al Khafji KSA,

Saudi Arabia

**Nationality**  : Indian

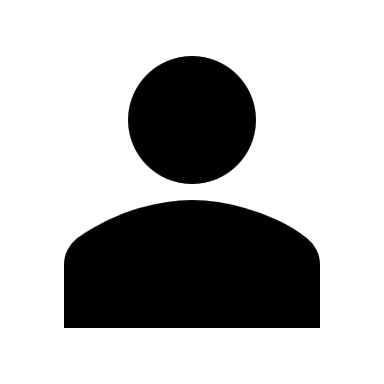
**Relationship status**: Single

**Address**  : Graf-Johann-Straße 18,

47533 Kleve,

Germany.

**PROFILE**



**2014- 2020**

**Bachelor of Science in Mechanical Engineering**

* Hochschule Rhein-Waal University of Applied Sciences, Kleve, Germany
* Grade Average: 2.4 (German grading system)

First name, last name:

**Mohammed Rameez, NJARAKATTIL BASHEER**

Master of Science Mechanical Engineering Student

**College preparatory course at Freshman Program**

**2013- 2014**

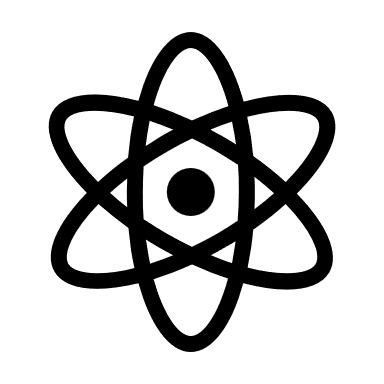
* Scientific Freshers, Bedburg-Hau, Germany
* Grade Average: 2.3 (German grading system)

**Schooling**

**1999-2013**

* Holy Grace Academy, Kerala, India
* Grade Average: 9/10 (Indian grading System)

**Projects**



**Two-layer Fluid-powder mixing connector and cartridge at Miltenyi Biotec B.V. & Co. KG, Germany**

**Project 1**

Description

* Design and Development of cost-effective injection molded disposable cartridge capable of mixing fluid-powder and storage of 9 different reagents of varying volumes.

Task

* 3D modelling & 2D CAD drawing of 9 chamber reagent cartridge.
* Design of connector for automatic filling of reagents.
* Preparation of experimental board to test the cartridge filling and mixing.
* Siemens Solid Edge ST9 for 3D & 2D CAD drawing.

Software used

**Field Robot (at Rhein-Waal university)**

**Project 2**

* Development of an Agricultural field robot intended to count crops in a predefined area of land.

Description

* Project leader and the CAD Designer, assigning working schedule to teammates, overall coordination of the project including final check before submission.
* 3D & 2D CAD drawing and necessary calculation regarding dimension/material selection for robot parts.
* Prepare Bill of Materials (BOM).

Task

* SolidWorks for 3D & 2D CAD drawing, surface modelling.
* Microsoft Office for compiling report and presentation of final project.
* Microsoft Project for assigning Working schedule (Gantt Chart).

Software used

**Two Shaft Bevel Gearbox (at Rhein-Waal university)**

**Project 3**

* Development of Two Shaft Bevel Gearbox used in ships/train/trucks.

Description

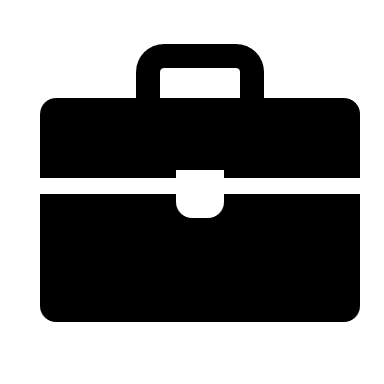
* Designed a CAD model (3D & 2D) of Two shaft Bevel Gear Box along with material selection of each individual components in the gear box.

Task

* SolidWorks for 3D & 2D CAD drawing.

Software used

Page 1



**Work Experience**

**Werkstudent (Part time Design engineer) at Miltenyi Biotec B.V. & Co. KG , Germany Germany**

**Feb. 2020- Present**

Page 2

* Component design, CAD assemblies, 2D Drawings, Dimensional Tolerancing.
* Test Engineering and requirement engineering for next generation medical devices.
* Reverse Engineering.

**Oct. 2019- Jan. 2020**

**Bachelor’s Thesis student at Miltenyi Biotec B.V. & Co. KG, Germany**

* Development of modular pressure generation unit and pressure control unit.
* Design, Adaptive Assembly, BOM, 2D Drawings, Dimensional Tolerancing, Reverse Engineering, Requirement engineering, Pneumatics.

**Apr. 2019- Sept. 2019**

**Internship at Miltenyi Biotec B.V. & Co. KG, Germany**

* Design of pneumatic supply unit for next generation medical instruments.
* Design and selection of components for pressure delivery, accumulation, measurement, and regulation.
* Requirement engineering for pressure supply.
* Performance testing of instrument.

**Sept.2016- Mar.2019**

**Student Assistant at Scientific Freshers Program, Bedburg-Hau, Germany**

* Interaction with students and organizing student activities.
* Working member of an international student office for the Freshman Program.

**Feb.2014 – Mar. 2014**

* Introduction to Electrical Circuits, Soldering.
* Exercised mechanical processes such as Turning, Milling, Drilling and Filing.
* Learned the use of Pneumatics and Hydraulic Pumps in real life applications.

**Internship:Theodor-Bauer-Haus,Kleve, Germany**

**Languages Known**



**Advanced** (IELTS 7.5)

**Intermediate** (A2.2-B1)

**Advanced**

**Advanced**

**Intermediate**

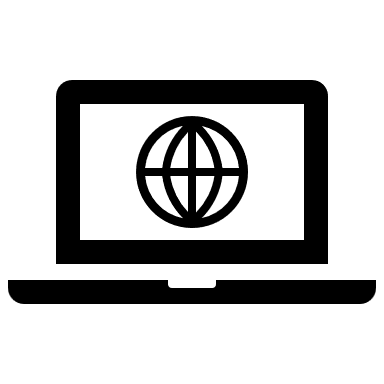
English

German

Malayalam

Hindi

Tamil



**Softwares Known**

**Advanced**

SolidWorks

SIEMENS Solid Edge ST9

ANSYS

MATLAB

Simulink

Python

Microsoft Office

Python

**Advanced**

**Advanced**

**Advanced**

**Advanced**

**Advanced**

**Advanced**