

LETTER OF MOTIVATION

My name is **Arpita Kale**, and I hail from Pune, Maharashtra, India. I am writing this Statement of Purpose to articulate my purpose and motivation for pursuing my studies in Germany, having secured admission into the 4 semester **Master in Intelligent Manufacturing at Technical University of Clausthal**.

Academically, I have completed my Diploma in Mechanical Engineering with a German score of 2.50 in 2019. After that, I pursued Bachelor of Engineering degree in Mechanical Engineering from Savitribai Phule Pune University, Pune, India, with a German grade of 1.46 in the year 2022 where I honed my knowledge in subjects such as Hydraulics and Pneumatics, Energy Engineering, Industrial Engineering, Automobile Engineering and more.

Also, I have successfully completed a series of full-time advanced training courses on topics such as Basic Metrology, Basic Hydraulics and Pneumatics, AutoCAD, 2D training, 3D training, I undertook advanced training in Jigs & Fixture Design. Though I have completed 16 years of my education in English as the medium of instruction, yet to evaluate my proficiency in English, I took an IELTS Test and secured an overall Band score of 6.5 CEFR level B2.

Additionally, I've been awarded a certificate for my volunteering in Training & Placement during Anubhuti 2022 at Marathwada Mitramandal's Institute of Technology. I was awarded a certificate for being a runner-up in cricket at Anubhuti 2020 at the same institute. Furthermore, I earned a certificate for participating in the Project Competition Techno-Sci 2022 at Marathwada Mitramandal's Institute of Technology.

In terms of internships, I have gained experience in the field through my role as an Intern at Exposys Data Lab where I successfully completed a program focused on Human Resource management. And completed a one-month online internship at Helix Integrated Learning, where I worked on Finite Element Analysis (FEA), specifically focusing on Static Analysis, Thermal Analysis, Fatigue Analysis, and Nonlinear Analysis projects using ANSYS as the FEA tool.

I am eager to pursue a Master in Intelligent Manufacturing to deepen my understanding of advanced manufacturing technologies and their applications in optimizing production processes. My Bachelor's degree in Mechanical Engineering has provided me with a strong foundation in core engineering principles and hands-on experience with industrial systems. This background aligns perfectly with my goal of working as a Manufacturing Engineer in a reputed firm where I will be able to apply all my learnings and stay updated with the latest developments and innovations in the field.

My decision to pursue advanced studies in Germany is influenced by a myriad of compelling reasons. Germany is globally recognized for its excellence in education, with numerous universities consistently ranking among the world's best. It is a hub of technological innovation, fostering a thriving environment for research and development.

I have chosen TU because it aligns perfectly with my career goals, thanks to its distinguished faculty and state-of-the-art facilities. The university's diverse student population and demanding curriculum, which includes modules like Additive Manufacturing using Polymers, Design for Industry 4.0, Applied Computational Engines promises a rich exchange of ideas and innovative practices.

Lastly, I would like to thank you for considering my application, and waiting for a positive response from your end.

**Regards,
Arpita Kale**