

## Statement of Purpose

My name is **Surya Natraj Murugesan**. I am writing to express my strong interest in taking a **Master of Science in Mechanical Engineering at KIT**. My academic background and practical experience have equipped me well for the difficulties and opportunities in this sector, and I am delighted to continue my studies at your respected college.

To establish my language skills, I finished 17 years of English schooling. Currently, I am pursuing my **Bachelor of Engineering in Mechanical Engineering** at Visvesvaraya Technological University in Karnataka with **CGPA 7.13**, which is equal to a **German grade of 2.44**. My courses have included Computer-Aided Machine Drawing, Mechanics of Materials, Manufacturing Practices Laboratory, Mathematics, Turbo Machines, Heat Transfer, and Digital Manufacturing. I earned a **Diploma in Mechanical Engineering** from the Department of Technical Education, Government of Karnataka, with a score of **73.2% (German Grade - 2.34)**. These subjects have provided a good foundation for future studies in mechanical engineering.

In addition to my academic endeavors, I've received practical experience through internships. I worked as a **CNC Milling Programmer and Operator** at the Government Tool Room & Training Centre in Bangalore, where I completed a project that involved CNC Milling programming and operation with CADEM software. Most recently, I **interned at the Aeronautical Development Establishment in Bengaluru**, where I worked on the **conceptual design and modeling of an E.M. Actuator and Aileron Activation System**. These experiences provided me with vital insights into the practical aspects of mechanical engineering.

Aside from my academic and professional experiences, I have actively sought opportunities to expand my knowledge. I completed **CIL Product Development's Dynamic Skills Integrated program** and attended Dayanand Sagar University's **Corporate Culture training**. These experiences have given me technical skills and a better grasp of the working environment. My extracurricular activities, including **drama and sports**, have also taught me the value of collaboration, perseverance, and discipline.

**The program at KIT provides a complete grasp of mechanical engineering through a combination of theoretical and practical instruction.** The program's four semesters and 120 ECTS credit points provide a full education. It is encouraging that there are options for instruction in both German and English. KIT's facilities, which include cutting-edge labs and research institutes, promote learning and creativity. The university's extensive industry contacts and placement opportunities are particularly fascinating, as they offer real-world experience and increase employability.

**A Mechanical Engineering Master's program at KIT offers a strong base in topics like Turbo Machines, Heat Transfer, and Digital Manufacturing.** Engaging in projects and placements offers me a chance to put theory into practice, closing the divide between academia and industry. This program will equip me for positions like Mechanical Engineer, CAD Designer, and Project Engineer, advancing my career opportunities and personal development in the ever-evolving field of mechanical engineering.

**I wish to study in Germany because of its excellent education system and thriving economy.** I want to explore the different culture and study German so that I can better comprehend it. I wish to take use of the financial resources accessible to students, such as inexpensive tuition and scholarships. Following graduation, I hope to capitalize on Germany's strong employment market and great demand for qualified individuals. I believe that studying in Germany will help me to grow my professionally and personally skills and knowledge I need to succeed in my career.

I am certain that the methods and tools taught at KIT, together with my abilities and knowledge, will enable me to achieve my objectives and have a beneficial impact on the subject of mechanical engineering. I am very enthusiastic about the possibility to continue my education at KIT and contribute to the creation of creative solutions. **Thank you for considering my application.**

Sincerely,

**Surya Natraj Murugesan**