

My Full name is **Surya Natraj, Murugesan** and I am writing to express my interest in pursuing a **Master's degree in Mechanics at TU Darmstadt**. With the background of a Mechanical Engineering student, I would like to enhance my skills and knowledge concerning the fields of Mechanics, which I deem pertinent to the evolution of manufacturing and industrial processes in the forthcoming years

I passed my final ICSE- **Class 10<sup>th</sup>** in 2017 getting **70.5%**. and I hold a **Diploma Certificate in Mechanical Engineering** with a **73.2%** from the Department of Technical Education, Government of Karnataka. At present, I am doing my undergraduate program at Visvesvaraya Technological University, Belagavi, Karnataka pursuing a degree of **Bachelor of Engineering, in Mechanical Engineering** having a **CGPA of 7. 13 (German Grade – 2. 44)** till the **7th semester** and I plan to graduate in August 2024. During my studies, I have undertaken **internships** at the **Government Tool Room & Training Centre** in Bangalore, focusing on CNC Milling programming and operation, and at the **Aeronautical Development Establishment** in Bengaluru, where I worked on conceptual designing and modeling of an E.M. actuator and aileron activation system. I have also earned **training certificates**, including one for participating in Corporate Culture by Dayanand Sagar University and completing a Dynamic Skills Integrated program by CIL Product Development. Additionally, I have been actively involved in **extracurricular activities**, such as securing positions in drama, basketball, and football competitions. I Completed **17 Years of Education in English**.

**The Master's degree in Mechanics at TU Darmstadt allows me to expand my knowledge of mechanical engineering principles and their applications.** Fluid Mechanics, Material Optimization, and Biomechanics are three classes that I am very interested in. These classes will not only broaden my knowledge but also provide me with the skills necessary to face real-world issues. I'm excited about the prospect of working on projects including crash simulations, acoustics, and power generation. TU Darmstadt's practical learning approach will enable me to apply academic knowledge to real-world challenges, something I highly appreciate.

**Technologically and industrially, Germany remains one of the countries that have developed technologically enhanced industrial products.** The country is a core producer of engineering and manufacturing, thus offering the best environment for a master's in Mechanics. Due to the focus on research and development, German institutions uphold high standards of equipment hence offering students a chance to use modern technologies. The country's economy and industrial forefront offer lots of chances for interns and interaction with acclaimed organizations. Being able to study in **Germany** will make me familiar with a different academic team which will be mostly international, thus promoting tolerance and diversity in teamwork. Also, the investment in sustainable resources and green technologies as the key focus and commitment of Germany, correlate with my principles and interests.

**I began looking for universities that met my requirements as soon as I decided to pursue higher education in Germany.** TU Darmstadt stood out for a variety of reasons. It is well-known for its welcoming environment and cutting-edge educational methodologies. The university is known for its innovative courses and high-quality education. TU Darmstadt's strong industrial contacts reassure me that I will obtain industry-relevant education. The courses are delivered by skilled and motivated academics that are passionate about teaching and giving students a positive learning experience. The university also provides better industry experience, keeping students aware of the trends in the field.

**After finishing my Master's degree, I hope to work in Germany as a mechanical engineer, research scientist, or design engineer.** The education at TU Darmstadt will equip me with the technical knowledge and interpersonal skills required to succeed in these professions. I wish to stay in Germany because the educational opportunities there are significantly superior to those in other countries. Good exposure, diversity, and German culture are all additional reasons why Germany is an excellent choice for my higher study. Studying in Germany will help me develop professionally and emotionally.

I am completely convinced that **TU Darmstadt Master of Mechanics** program is the best choice for accomplishing both my academic and professional goals. The opportunity to contribute to and gain from TU Darmstadt lively academic community inspires me.

**Thank you for considering my application.**

**Sincerely,  
Surya Natraj, Murugesan**