

## Motivation Letter

Applying for **TU Hamburg's Master of Science program in Electrical Engineering (Information and Communication specialty)**, my name is **Vaibhav, Subramanya**. My academic background and work experience have equipped me nicely for this next phase, and the chance to continue my study at such a famous university excites me.

Academically, I completed my tenth grade in 2017 with an **86.08% German Grade: 1.64** and my twelfth grade in 2019 with a **79.5% German Grade: 1.95**. After Visvesvaraya Technological University in 2023 finished my **Bachelor of Engineering in Electrical and Electronics Engineering** with a **CGPA of 8.22 (German Grade: 1.89)**, My background in Calculus, Analog Electronic Circuits, Electric Motors, and Control Systems has given me a strong basis in all around. Along the way in school, I worked on several projects including a **Density-based Traffic Signal Control System utilizing a microcontroller** and an **IoT-based Underground Cable Fault Detection System**. These encounters aroused my interest and motivated me to study the area more closely. I have cleared my **IELTS with overall score is 6.5, CEFR level B2**.

Internships have also given me real-world experience. Working as a **trainee at Textron India Pvt. LTD., Bangalore**, I helped with the Beech Modernizing project, concentrating on wire and harness building for a supplier transition program. At **The Infinite Solution, a government-approved contractor in Bengaluru**, I am currently an **Apprentice Electrical Engineer**. Among my duties are project estimate, bidding, installation and maintenance, and safety rules assurance. These positions have offered me in my field of study useful practical knowledge and hands-on experience.

**Why Master of Science in Electrical Engineering?** Academically and professionally, my interest in electrical engineering—especially in information and communication technologies—results from I worked on projects such the Density-Based Traffic Signal Control System utilizing a microcontroller and the IoT-Based Underground Cable Fault Detection System undergradually. These initiatives underlined the need of information and communication technologies in the solution of practical issues.

Studying courses like Communication Systems, Digital Signal Processing, and Embedded Systems presented in the TU Hamburg program particularly motivates me. These classes will equip me with the technical know-how and pragmatic tools required to succeed in my sector. Studying this degree will enable me to grow in both technical and interpersonal aspects, so prepare me for a bright future in electrical engineering.

**Why Germany specifically?** Germany's great emphasis on research and development in the field of engineering drives me to study there. Germany is where I want to stay as field education here is significantly superior than in other countries. While I'm still in school, I want to enjoy Germany's varied and rich culture. Germany's first-rate academic courses and facilities have convinced me that this country should be my master's degree site. Studying in Germany helps me to develop personally as well as professionally. I want to be a part of a lively academic community and learn from the finest.

**Why TU Hamburg?** TU Hamburg is rated among the best engineering institutions in Germany, hence I wish to study there. With more than 7,500 students, the university provides cutting-edge facilities and a lively campus scene. Friends of mine who have attended TU Hamburg have shared their great experiences, which has shaped my choice. The university boasts a number of eminent research facilities, and some of the top electrical engineering professionals on staff. Hamburg is a big technological and creative center, hence the chances for internships and work in the local employment market interest me. Companies like Airbus, Siemens, and Philips are rather common in Hamburg and routinely hire TU Hamburg graduates.

**Prospective Employment Views and Goals** - Following my master's program, I hope to land jobs as either an **embedded systems engineer, network engineer, or communication engineer**. Want to work especially interests me as, in the subject of electrical engineering, I see lots of chances for development. This program will provide me with information and abilities that will enable me to fulfill my long-term career objectives and effectively participate to the sector.

**End** - Pursuing a M.Sc. in Electrical Engineering (Information and Communication concentration) at TU Hamburg will definitely provide me the knowledge and tools need to excel in this industry. The chances this university and program present will enable me to accomplish my long-term professional goals. The idea of attending TU Hamburg excites me, as does the chance to add to the intellectual community.

**I value your giving my application some thought.**

Sincerely,  
**Vaibhav, Subramanya**