

## **STATEMENT OF PURPOSE**

I am constantly amazed by the transformation of the products we handle. They are becoming smaller in size, yet incredibly powerful, intelligent, interconnected, and self-sufficient. It's fascinating to think that many of these everyday objects are embedded with sensors and systems so small they're almost imperceptible. Industries such as automotive, healthcare, communication and energy heavily rely on Microelectronics and Microsystems. These tiny technologies drive advancements in vehicles, improve medical care, enable seamless communication, and create efficient energy systems. It's difficult to imagine these sectors without the contributions of microsystems and Microelectronics. Hence, I have chosen to undertake a **Master of Science program focusing on Control, Microsystems, and Microelectronics at University of Bremen**. This program offers a valuable opportunity for me to develop a deep understanding and scientific expertise in areas such as digitization, control systems, microsystems, microelectronics, and information and automation technology. Additionally, this program includes crucial subjects like economics, law, and social implications which provide a comprehensive perspective.

As far as my education is concerned, **I completed my 10th grade with a CGPA of 10.0 and my 12th grade with 92.17%**. After that, I graduated with a **B.Tech in Electronics and Communication Engineering** from Tezpur University in February 2022. I scored 7.5 on the IELTS in September 2023. Professionally, **I've worked as a Graduate Trainee at BIAS InfoTech and as an Analyst at Deloitte Consulting**, specializing in database management and optimization. I also completed a course in Embedded Systems and won awards in speech and quiz competitions at university.

After obtaining detailed information about the courses from university websites, I have decided to apply to University of Bremen for graduate studies. I have chosen to pursue graduate studies at this provider because it is one of the most reputed education providers in Germany, which offers my desired course. It is dedicated to excellence in the delivery of higher education and has a well-earned reputation for providing exceptional education delivered by dedicated professionals with practical and relevant industry experience. This university has excellent links with professional bodies and industry-related organizations. The research facilities and faculty at the university are excellent. I have also gone through the website of this university very carefully and concluded that, with its excellent academic system, including a modern syllabus and highly knowledgeable faculty. Pondering over all above points, I determined to pursue a course from this incredible university. My main goal after completing my course is to build a career as a research and development engineer in the microsystems industry, actively working towards improving and creating new technologies and solutions.

I did intense research regarding popular destinations for abroad studies and I found countless reasons for choosing Germany for my further study. It is home to some of the top education providers globally. It has become a more appealing destination for students worldwide due to its diverse student body, high-quality education, and strong support for international students from both the government and institutions. It offers more than just theoretical knowledge from textbooks. Germany, according to the Bloomberg Innovation Index's eighth edition, is recognized as the world's leading nation in terms of technological advancement. It has a safe and friendly society in which students can learn and travel freely. It has produced some of the most prominent researchers in various scientific disciplines who made many foundational discoveries. It is one of the best places in the world to study and has a strong international reputation for Higher Education. Germany being at the forefront of new technology and innovations, I can take advantage of the country's impressive technology and research resources. The practical approach to teaching at German universities makes learning simpler and more interesting. Taking into account all these factors, I have decided to pursue further education from Germany.

**I would be grateful to you if I'm accorded the opportunity to pursue my graduate studies at your institution. Thank you for your time and considering my application.**

**Regards and Thanks,**

**Mitali, Das**