

## STATEMENT OF INTENT

From books to cars, an increasing array of technologies is giving way to their electrical counterparts. While this transition looks futuristic and promising, it comes with a significant rise in overall electric power consumption. The pressing need for alternative and renewable sources of energy has been one of the factors that motivated me to shape a unique career since my graduation days. I aim to deepen my understanding of this field and contribute to it through my research career. To this end, I wish to join the **Master's course in Information and Electrical Engineering at Hochschule Wismar**.

Through this program, I will acquire practical experience in modeling and simulating complex systems to forecast their behavior and performance, improving my ability to analyze and optimize diverse engineering scenarios. I will gain knowledge in implementing and overseeing quality control processes to ensure that engineering projects meet high standards and regulatory requirements. This course will also enhance my comprehension of advanced microsystems design and fabrication techniques, preparing me for creating innovative microelectronic devices. I will explore the design and functioning of communication systems, obtaining insights into their structures and the principles governing their performance. Advanced Optical Communications will equip me with a comprehensive understanding of optical communication technologies, such as fiber optics and photonics, crucial for fast data transmission. Studying Network and Security Management will involve learning methods to manage and secure network infrastructure, improving my skills in protecting data and supporting strong communication systems. Integrated Circuit Design will provide instruction on creating integrated circuits, essential for efficient and successful electronic systems.

On an academic level, I completed my **Secondary School Examination (Class 10th)** under CBSE in March 2017 with an **8.4 CGPA (German grade: 1.80)**. In March 2019, I completed my **Class 12th** under CBSE. Since July 2020, I have been pursuing a **Bachelor of Technology in Computer Science & Engineering** at Dr. APJ Abdul Kalam Technical University (AKTU), Uttar Pradesh, expected to graduate in August 2024. I took the IELTS and scored an overall band of 6.5 (CEFR Level: B2). In addition to academic studies, I received a certificate for JavaScript Essential 1 from JavaScript Institute. I completed the Programming Foundations with JavaScript, HTML, and CSS course offered by Coursera, as well as the Understanding Einstein: The Special Theory of Relativity course, also from Coursera. Additionally, I secured 3rd place in "The Director's League" and presented a paper at IIRA-2022. I also won 1st place in Chess at the Dr. Abdul Kalam Inter-Technical University Sports Fest 2023-24.

I began my internship journey as a **Java Development Intern** at CodeClause, where I developed an ATM interface to improve user interaction. I then worked as a **Software Intern at KareXpert Technologies**, where I implemented face recognition software using Angular and Python. Most recently, I served as an **Intern in the Software Development Team at Sklepon AI Services**, where I collaborated with skilled professionals to develop a dynamic rendering engine. I participated in a Cyber Security Workshop organized by Innovative Ideas Infotech Society in association with AKTU and UP Police. Additionally, I completed a Training Program for Data Science at Moradabad Institute of Technology, conducted in collaboration with Technoledge Eduresearch Pvt. Ltd.

Germany appealed to me with its world-class education, high-quality programs, and industry-relevant curriculum. Germany is a safe country with friendly living conditions and a multicultural learning environment, which would make my stay comfortable. All these aspects influenced me to choose Germany as my study destination. As a well-established economy, it offers an education system that largely emphasizes realistic learning. Additionally, I came to know that it welcomes international students from all corners of the world warmly. The country offers high-quality education that holds a great reputation around the world. Furthermore, the education system is more flexible and emphasizes more on practical work. Universities in Germany are heading towards higher ranks on the global university ranking tables. All these precisely helped me to choose Germany as my final study destination and I am very happy with my decision.

Of all the viable options, the institution that caught my attention the most was **Hochschule Wismar**. It is a welcoming university with a focus on practice-based learning. It has connections with industries to ensure programs are relevant to the changing workplace and the needs of employers. This university has earned global recognition for providing quality education and training to students, which helps in building successful careers. In order to ensure that students gain the skills they need to succeed in the workplace, the university works with industry professionals to develop courses that follow the most recent market trends. The university's teachers are always willing to assist students in having a better educational experience, as they possess a wealth of expertise and experience in their respective fields. The diversity of the student body at this provider would contribute significantly to the overall development of my personality. It provides an ideal learning environment and a perfect balance between theoretical concepts and practical exposure. Thus, these are the reasons for me to choose this university. After completing this Master's program, I would like to engage in further research on **Sustainable Energy Sources** by securing a worthwhile role in a leading research firm. The nature of my exploratory research will be to find alternative energy sources that are feasible for widespread public usage.

**I hope this letter will address all the questions required to confirm my admission in your esteemed institution. I would be highly obliged if I could be a part of such a wonderful university.**

**Yours sincerely,**

**Ibad Ur Razzaq,**

