STATEMENT OF PURPOSE

A fascination for Science & Technology and keen interest in the ever-growing world of technology motivated me to take up engineering in my undergraduate program. I choose to major in Electrical and Electronics with an intense urge to delve into the challenging field. During my undergraduate program I learned the various fundamentals of Electrical & Electronics Engineering which together with practical coursework reinforce interest. I live in a world where technology is constantly improving and enhancing our lives. Growing up in a progressive and technologically advanced environment, I see myself as an integral part of the constant changes happening around me. Therefore, I am looking forward to pursuing a **Master's Course Electrical Engineering and Information Technology from Karlsruhe Institute of Technology**

I chose this course because in this course, I will acquire knowledge in designing and evaluating advanced communication systems by studying antennas, multiple antenna systems, and communication protocols. I will gain expertise in image processing, information fusion, and measurement technology, which will help me better understand and combine data. I will efficiently create and enhance electronic and dynamic systems through studying hardware modeling, nonlinear control systems, and numerical methods. Furthermore, I will gain understanding in optical networks, optoelectronics, and technical optics in order to be equipped for cutting-edge projects in high-speed communication and advanced engineering fields. I have a clear vision for my career goals, but I believe that education is an on-going journey. My short term goal is to obtain a doctoral degree once I complete my masters. With this qualification, I aim to pursue a fulfilling career in both research and teaching. In the long run, I want to be the technology leader at big companies

Regarding my academic qualifications, I completed my **All India Secondary School Examination (10th Class)** in March 2018 from the Central Board of Secondary Education, Delhi, with a score of **89.8% (German Grade - 1.46).** In March 2020, I passed my **Senior School Certificate Examination (12th Class)** from the same board, securing a grade of **90.66% (German Score - 1.42)**. After that, I pursued a **Bachelor of Technology in Electrical and Electronics Engineering** at Vellore Institute of Technology, Chennai, from August 2020 to May 2024, achieving a **CGPA of 8.38 (German Grade - 1.97).** Along with my academics, I **interned at Maven Silicon Softech Ltd, Bangalore, as a VLSI Design intern**, where I successfully designed an AHB2APB Bridge using Verilog HDL and collaborated with a team to ensure its seamless integration into a larger system.

I attended a webinar on "Power Converters" and a workshop on "High Power Portable Remotely Controlled Audio Amplifier for Home Theaters" at VIT. I also completed a course on "Real-Time Applications of Machine Learning Using Python. I have also completed the Arduino Course for Beginners on Udemy, an online course on VLSI Design Methodologies from Maven Silicon, and Python for Computer Vision with OpenCV and Deep Learning on Udemy. Additionally, I won 1st place in both the Power Electronic Interface and Smart Animal Husbandry System projects, and 2nd place in the Police Surveillance System at VIT competitions. I also secured 1st place in an Ideathon on Sustainable Development Goals, coordinated events during Technovit 22, passed the Dr. Homi Bhabha Balvaidnyanik Competition, and secured top positions in quiz, spell bee, and hockey competitions at Delhi Public School.

After thorough research regarding my higher studies, I concluded that **Germany** is the best place for me to study. It is home to some of the world's leading universities. This country has also been ranked as the 15th safest place in the world. The crime rate is very low in this country, which is one of the greatest positive aspects that attracted me regarding security. It has a great reputation for its focus on practical learning. Its emphasis on hands-on experience integrated with necessary work experience will be highly influential to my professional success. The degree will be globally respected, and I will have a healthy amount of career opportunities. Plus, I will have international exposure which will allow me to learn and get to know people that will be very beneficial to me in my personal development and my career. Its Education System is designed in such a way that it delivers the perfect combination of theoretical and practical knowledge, which is the actual requirement of the current times, rather than only imparting academic knowledge. Therefore, it is the best and most obvious choice for higher education.

After extensive research in the plethora of Universities Germany has to offer, I selected **Karlsruhe Institute of Technology** because it is recognized as one of the top choices in Germany. Its initiative gathers individuals from various countries, enabling me to connect with a wide range of cultures. It is a friendly university that emphasizes learning through practical experience. It has connections with industries to ensure programs are relevant to the changing workplace and the needs of employers. This university has a global reputation for providing excellent education and training, helping students thrive in their professional lives. In order to ensure students have the essential skills for success in the job market, the university works with industry professionals to develop courses that align with present industry trends. The university instructors, possessing abundant knowledge and experience in their respective fields, are constantly available to assist students in enhancing their educational journey. Thus, these are the reasons for me to choose this education provider.

I believe that my commitment towards excellence and my academic performance qualify me to be a part of your esteemed institute. I look forward to a meaningful and productive association with your revered academy.

Yours sincerely,

Krish, Jathare