

Motivation Letter:

Joshitha, Lakshminarayana here is my name. 10.02.2002 marks my birth in Hindupur, Andhra Pradesh. Not only is electrical engineering and information technology a job path for me; over years, this enthusiasm has developed. This area interests me since it lets theory be practically used to address problems from daily life. Currently enrolled in Visvesvaraya Technological University, Belagavi, India, I have done my **Bachelor of Engineering in Electronics and Communication Engineering**. Having a **CGPA of 7.17**, I have a strong basis in courses including Basic Electronics, Network Theory, Analog Circuits, and Cryptography. With an **IELTS exam total of 6.5 bands**, my English competency will help me to interact successfully with colleagues and teachers from many backgrounds at **KIT for Master of Electrical Engineering and Information Technology**.

Apart from academics, I have actively engaged in other extra-curricular activities that have helped me to develop holistically. As a cadet, I hold certifications from the Ministry of Defence, Government of India, **clearing Certificate A, B, and C tests**. These encounters have imparted leadership, discipline, and group projects. I also got a Certificate of Appreciation for helping TEDxBNMIT2024, **"Dreams Unlocked,"** be successful. These pursuits have improved my critical thinking, teamwork, and creative problem-solving abilities—qualities quite useful for the Master's degree program.

Participating in research projects and projects has enhanced my academic path. Working on a project called **"Currency Detection and Verification Using Image Processing,"** which sought to categorize Indian money as legitimate or counterfeit, I focused on 2022–2023. I concentrated on **"Human Suspicious Activity Detection Using Machine Learning,"** a project meant to upgrade urban surveillance systems by spotting unusual behavior in pedestrians, in 2023–2024. These endeavors have given me more knowledge about my field and useful experience. In the journal **Futuristic Trends in Electrical Engineering**, I also turned in a research article on **"Effects of Loss Assessment and Mitigation of Buildings Due to Climate Change (Hurricane)."** These scholarly and practical encounters have strengthened my will to keep learning Electrical Engineering and Information Technology.

My transforming experience was **interning in the R&D - Wireless Department of Tejas Networks Ltd., Bengaluru**. I studied about the most recent technologies and their uses in practical settings. This internship restored my passion to work in information technology and electrical engineering. The useful knowledge I acquired throughout this year has equipped me for the demanding courses and research chances at this university.

A personal situation that profoundly affected me led me to desire to study Electrical Engineering and Information Technology at KIT. I worked on a project employing image processing methods aiming at detecting counterfeit money during my Bachelor's degree. This initiative let me see the countless opportunities in this subject and how technology development may solve practical issues. Offered in the program, modules like "Advanced Communication Systems" and "Embedded Systems" pique especially my curiosity. These courses will give me the technical know-how required to succeed in my line of work. The emphasis of the course on team projects will enable me to acquire interpersonal skills necessary for functioning in multidisciplinary teams. This degree will help me personally by letting me help to advance technologies and professionally by getting me ready for a job in research and development.

According to the QS World University Rankings, KIT is among the top universities in the world for engineering and technology hence I wish to apply there. KIT is a perfect venue for academic development since it boasts modern facilities and an active student body. Having a friend who is presently enrolled at KIT, their encouraging experiences have inspired me even more to apply. The university boasts outstanding research facilities and eminent academics. Living and studying in Karlsruhe, where KIT is situated, is an interesting experience since this lovely city offers many attractions. Companies like Siemens and Bosch hiring KIT graduates points to a bright local job market. Studying at KIT will give me academic, personal, and professional advantages including access to innovative research, a varied cultural experience, and first-rate employment possibilities.

Germany presents a high-quality, reasonably priced, internationally known educational system that is why I wish to study here. I want to remain in Germany since the field of education there is much better than that of other countries. I wish to be among the rich German culture, diversity, and good exposure. Germany was the country I chose for my Master's degree since it is well-known for stressing research and pragmatic uses. Studying in Germany will enable me to develop personally by letting me experience a different culture and way of life and professionally by arming me with the skills and knowledge required to succeed in my job. The nation's rich history, ethnic variety, and dedication to technical advancement really appeal to me.

After finishing the Master's degree, I hope to be employed at top technological corporations **like Siemens or Bosch as a Research Engineer or Systems Analyst**. These roles will let me put the information and abilities I acquired during KIT's course of study into use. In the fields of Electrical Engineering and Information Technology, I also hope to support field-based research and development. It will provide me the chance to help creative initiatives and engage with some of the top brains in the business. My long-term objective is to lead in my field and help to bring about technological innovations good for society.

Following careful study of the KIT Master of Electrical Engineering and Information Technology curriculum, I am sure this is the ideal fit for me. Solving practical issues by means of technological innovation excites me and makes me ready to enter the sector. The chance to study at KIT excites me both personally and academically; the intellectual and personal development this experience will bring is much awaited.

Finally, I appreciate your giving my application some thought.

Views,
Joshitha, Lakshminarayana