Motive Letter

The amazing realm of electronics and microsystems has always enthralls me. My interest about how small elements may have such major effects on our daily life has greatly shaped both my intellectual and personal ambitions. Inspired by my lifelong love of Electrical and Microsystems Engineering, My name is **Joshitha, Lakshminarayana** and I applied for the **M.Sc. program in Electrical and Microsystems Engineering at OTH Regensburg,** a university renowned for its extensive course of study and strong emphasis on practical engineering applications.

Learning History - Currently enrolled in Visvesvaraya Technological University, Belagavi, India, where I have done my **Bachelor of Engineering in Electronics & Communication Engineering,** I have a commendable **CGPA of 7.17**. Among the disciplines in my coursework have included Basic Electronics, Network Theory, Analog Circuits, Electromagnetic Waves, Microwave and Antennas, Cryptography, and Network Security. This academic background plus real-world project experience have helped me be ready for advanced study in Electrical and Microsystems Engineering.

Different projects and internships that have stoked my passion in electronics engineering have enhanced my academic path. Working on **"Currency Detection and Verification Using Image Processing,"** one of my most noteworthy projects, I created a method to sort Indian money into authentic or false groups. Targeting urban surveillance systems, another study concentrated on **"Human Suspicious Activity Detection Using Machine Learning."** Along with sharpening my technical abilities, these projects have piqued my interest in microsystems and their uses.

Apart from my official schooling, I have actively engaged in extracurricular activities that have developed my leadership and teamwork abilities. **Certificates for clearing cadet exams at several levels** have come from the Ministry of Defence, Government of India. My passion in the sector was strengthened even more by my **interning in the R&D - Wireless Department of Tejas Networks Ltd., Bengaluru**. My ability to use academic knowledge in practical situations helped me to be additionally acknowledged for helping TEDxBNMIT2024, **"Dreams Unlocked,"** to be successful. Having finished my studies in English, I also took the **IELTS test** and scored an **overall band of 6.5 (CEFR Level: B2).**

Why the University of OTH Regensburg? OTH Regensburg appeals especially to me because of its stellar engineering education and research record. Modern laboratories at the university, seasoned professors, and lots of research chances fit my academic and career goals. Learning from eminent experts and working on research projects with an eye toward the useful applications of Electrical and Microsystems Engineering excites me.

With a strong mix of international students, OTH Regensburg boasts a vibrant student population that I think will create an interesting and varied learning environment. The university's attraction increases with its location in Regensburg, a city well-known for both historical value and contemporary conveniences. Applying has been inspired even more by friends of mine studying at OTH Regensburg sharing their great experiences.

Germany specifically? Germany's world-class educational system—especially in the sciences and engineering—is why I wish to study there. Germany is where I wish to stay as the caliber of education in my sector is significantly better than that of other countries. The rich German culture Germany presents, together with the good exposure and diversity, excites me For my master's degree, I decided for Germany because it offers reasonably priced, top-notch education with a strong emphasis on practical experience and invention. Studying in Germany will enable me to develop personally as much as professionally. Germany's mix of modernism and legacy intrigues me as well as its kind welcome of overseas students.

Why is this course necessary? Seeking a M.Sc. in Electrical and Microsystems Engineering at OTH Regensburg helps me to progress my knowledge and stimulate technical innovation. Having worked for Tejas Networks Ltd., my past internship has helped me to understand the field's practical possibilities and difficulties. Classes like "Advanced Microsystems" and "Embedded Systems," which fit my academic background and career ambitions, especially pique my curiosity. The demanding course of the program and wide range of research possibilities will, I think, provide me the tools and knowledge I need to reach my objectives. Furthermore, the active intellectual and cultural scene of Regensburg will enhance my academic path and extend my horizons.

Future Viewpoints for Professionals - Working in positions like **Systems Engineer, Microsystems Engineer, or Research and Development Engineer** allows me to put knowledge and abilities to use addressing practical challenges. Areas I have investigated throughout my undergraduate studies—urban surveillance systems and currency verification technologies—pique especially my curiosity about helping to progress these fields. Working where the engineering graduate employment market is booming and professional development prospects abound, also appeals to me.

To sum up - Because of my strong academic background, practical experience, and love of the topic, I think I would be perfect fit for the M.Sc. in Electrical and Microsystems Engineering at OTH Regensburg. I am sure that the extensive program of the institution and chances for research will enable me to fulfill my professional goals. The active intellectual community at OTH Regensburg excites me to participate in and grow from.

I want to thank you last for giving my application some thought.

Joshitha, Lakshminarayana