

I am writing to express my strong interest in taking a **Master's degree in Electromobility-ACES at FAU Erlangen**. My academic background and practical experience have equipped me well for the difficulties and opportunities in this sector, and I am delighted to continue my studies at your respected college.

To establish my language skills, I finished 17 years of English schooling. Currently, I am pursuing my **Bachelor of Engineering in Mechanical Engineering** at Visvesvaraya Technological University in Karnataka with **CGPA 7.13**, which is equal to a **German grade of 2.44**. My courses have included Computer-Aided Machine Drawing, Mechanics of Materials, Manufacturing Practices Laboratory, Mathematics, Turbo Machines, Heat Transfer, and Digital Manufacturing. I earned a **Diploma in Mechanical Engineering** from the Department of Technical Education, Government of Karnataka, with a score of **73.2% (German Grade - 2.34)**. These subjects have provided a good foundation for future studies in electromobility.

In addition to my academic endeavors, I've received practical experience through internships. I worked as a **CNC Milling Programmer and Operator** at the Government Tool Room & Training Centre in Bangalore, where I completed a project that involved CNC Milling programming and operation with CADEM software. Most recently, I **interned at the Aeronautical Development Establishment in Bengaluru**, where I worked on the **conceptual design and modeling of an E.M. Actuator and Aileron Activation System**. These experiences provided me with vital insights into the practical aspects of mechanical engineering and its applications in electromobility.

Aside from my academic and professional experiences, I have actively sought opportunities to expand my knowledge. I completed **CIL Product Development's Dynamic Skills Integrated program** and attended Dayanand Sagar University's **Corporate Culture training**. These experiences have given me technical skills and a better grasp of the working environment. My extracurricular activities, including **drama and sports**, have also taught me the value of collaboration, perseverance, and discipline.

The MSc Electromobility-ACES program at FAU Erlangen is perfectly suited to my academic and career goals. The program covers critical areas such as AI and Autonomous Driving, Connectivity, E-Powertrain, and Sustainable Mobility & Production Technology. These are the exact fields that excite me and represent the future of mobility. I am particularly motivated to learn about sustainable mobility and how it can contribute to a climate-friendly transportation system. The program's focus on vehicle networking and smart grids is also aligned with my career aspirations.

Another reason I chose FAU Erlangen is its reputation for academic quality and research. The university's excellent relationships with industry leaders such as Siemens, Audi, and Adidas provide numerous chances for internships, networking, and real-world learning. The varied student body and global reputation foster a vibrant learning environment that promotes both personal and academic progress. Furthermore, the cutting-edge facilities and resources available at FAU will help my academic and research efforts.

Germany is well-known for its excellent educational standards and focus on research. I wish to study in Germany since it has great programs in Mechanical Engineering and Electromobility-ACES. German universities give an excellent combination of theoretical knowledge and practical experience, which I highly respect. I wish to immerse myself in Germany's rich cultural legacy, which will considerably benefit my personal and academic development. I wish to take advantage of Germany's great economic potential, particularly in the automotive and engineering sectors. I also want to stay in Germany after my studies to obtain work experience and contribute to the subject of e-mobility.

My ultimate professional aim is to become an electromobility specialist who applies insights to optimize transportation networks and make strategic decisions. I envision myself contributing to organizational success by developing novel solutions to complicated mobility concerns. The MSc Electromobility-ACES program at FAU Erlangen will provide me with the knowledge and abilities required to attain these objectives.

Thank you for considering my application. I am enthusiastic about the opportunity to study at FAU Erlangen and contribute to the academic and professional community.

Sincerely,
Surya Natraj Murugesan