I am writing to express my enthusiasm for pursuing Master (M.Sc.) Clean Energy Processes at FAU Erlangen in Germany. With a fervent passion for mechanical engineering technology and a strong academic and practical foundation in the field, I am eager to advance my knowledge and skills to contribute meaningfully to the mechanical industry.

My academic journey began with my high school education at Palghat Lions School, where I excelled with an 89% score in my 12th examinations (2014-2016), under CBSE (Central Board of Secondary Education). This foundational education equipped me with essential mathematical and problem-solving skills, which were further honed during my undergraduate studies.

My journey in automotive engineering began with my undergraduate studies in at SCMS School of engineering and Technology (2016-2024) where I graduated with a CGPA of 6.59. During this period, I developed a solid understanding of core engineering principles and gained hands-on experience in automotive diagnostics and design. My coursework and projects, such as ELECTRIC Architecture of an electric car, honed my skills and knowledge in EV architecture. These experiences solidified my desire to delve deeper into automotive technology and innovation.

My training from Reynlab and Ford presented me with skills of OBD (On-Board Diagnostics) scanning and MATLAB/Simulink modeling which made me help in my modelling the Electronic Throttle Body Model.

The mechanical industry is undergoing rapid transformation, with advancements in electric vehicles, autonomous driving, and smart systems. I am particularly interested in how these technologies will reshape vehicle performance and safety. My short-term goal is to gain advanced education and expertise in these areas to stay at the forefront of technological developments. I am confident that FAU Erlangen offers the ideal environment for this pursuit, given its renowned faculty, cutting-edge research facilities, and industry connections.

In the long term, I aspire to work with a reputable mechanical company where I can contribute to groundbreaking projects and drive innovation. I am especially drawn to Mercedes, VW, SKODA, AUDI, as they align with my vision of well-built design architecture and high-performance automotive solutions. I believe that the rigorous academic training and practical experience offered by FAU Erlangen will equip me with the necessary tools to achieve these aspirations. My academic background, combined with my technical skills in OBD scanning and MATLAB/Simulink, has prepared me for the challenges of this program. I am eager to bring my knowledge, dedication, and enthusiasm to FAU Erlangenand engage with a community of scholars and professionals who share my passion for mechanical engineering.

Thank you for considering my application. I look forward to the opportunity to contribute to and grow within FAU Erlangen esteemed program.

Sincerely,

Navaneeth