**STATEMENT OF PURPOSE**

My name is **Chetan Tanaji Thombare** and it will be my pleasure to study a **Master of Science in Electromobility at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU Erlangen)**. I decided to apply for this specific program in Germany due to my academic degrees, my professional experience, and my passion for contributing to the development of electromobility as a promising field.

I started my academic journey at Maharashtra State Board of Secondary Education in Pune where I completed my Secondary School Certificate Examination in the year 2016. I proceeded to the Maharashtra State Board of Technical Education to do a **Diploma in Mechanical Engineering in Mumbai** receiving a grade of 79.64% in the year 2020. This program made me familiar with important subjects such as Engineering Graphics, Fluid Mechanics & Power Plant Engineering which developed my interest in the mechanical part of vehicles.

The foundation of my technical education is my **Bachelor of Engineering in Mechanical Engineering from the Savitribai Phule** **Pune University** which I am currently pursuing and expected to finish by November 2024. This offered me a clear insight into Engineering Thermodynamics, Mechatronics, as well as Dynamics of Machinery. These subjects formed a basis for the development of my interest in technologies pertaining to autonomous driving. One of the most significant experiences in academic learning was the execution of the bachelor’s project at Dr. D. Y. Patil School of Engineering, Pune,“**Printed Circuit Board Quality Inspection by Image Scanner**”. This project was about image processing and automated inspection systems that are helpful when building autonomous vehicles. I understand the need for precision and reliability in automotive systems from the work done in using superior algorithms to screen and categorize the defects in PCBs.

I have been studying in an English medium school for 16 years. Also, I have received an **A1 Level German Language Certificate from Yes School of Language** to show my intention to enrich myself in the German cultural and academic system.

While studying in college, from December 2023 to May 2024, I was offered an opportunity to work as a **Samsung Experience Consultant at Quess Corp Limited in Bangalore**. In this job, I assisted clients in learning about Samsung’s products, which included mobile and tablet devices. I was taught how to express the ideas of technology in easy language. From this experience, I learned a lot of lessons especially from customers about handling people, especially in relation to technology. This job motivated me to study higher education to do better in my career and learn in depth about this course.

**Why this course**: I came to know about the MSc Electromobility program at FAU Erlangen through extensive research and discussions with industry professionals who highlighted its strong academic framework and industry relevance. The program is directly aligned with my previous studies in **Bachelor of Mechanical Engineering**, particularly my bachelor’s project. But what really captured me was the course offerings. Among them, I like the research activities conducted at FAU Erlangen in the sphere of electromobility. There are many academic activities in this field and I am ready to become both an active participant and perceiver of many exciting works. The knowledge gained from the specialized courses in electric vehicle technology, battery systems, and integration of smart grids will sharpen my technical tools and skills in electromobility.

**Why FAU Erlangen?** I decided in favor of the FAU Erlangen. I came across the various programs offered in this university when I was researching the best engineering institutions in Germany. This I found inspiring and what really got my senses was that FAU Erlangen has a very good reputation in technological and engineering fields. The professors are very experienced and are working on exciting topics in electromobility systems. One of the aspects that interest me most in the context of the program is the focus on the latest discoveries and applications The methods I will acquire throughout this course, including deep knowledge of electric powertrains, energy storage systems as well as vehicle dynamics, will be of great use in advancing the electromobility field. The program is organized by combining theoretical input and practical assignments. I also appreciated that FAU Erlangen had a strong tie with industries. All these made me convinced that FAU Erlangen is the right place for me to enhance my knowledge and experience in the electromagnetic industry field.

**Why Germany**? There are several reasons why I have chosen to do a Master’s degree in Germany. First, as we all know Germany is well known to be the best country in engineering and technology and since my course of study is in this area that makes Germany to be the best country for me to study. Another factor is that the German industry has a very advanced focus on research, all of which I’m very passionate about. The educational system of German universities is famous for its high quality and practical orientation, which will be very useful to me. Furthermore, the German economy has shown stability and the industry-university relation in Germany provides good prospects for internships in the future. Additionally, Germany's emphasis on sustainability and green technology aligns perfectly with my career goals. Combined all these indicators give Germany as the most suitable country to achieve my higher education and personal growth.

**Future goals**: Largely, I plan to seek employment in a field that deals with innovative, advanced, and efficient techniques and technologies in electric vehicles and environmentally friendly means of transport after passing my MSc Electromobility program. My goal is to become involved with automotive corporations and research institutes to create new technologies to substantially lower carbon emissions and encourage sustainability within transportation. In the long term, I see my role in the development of future environmentally friendly transportation and increasing their efficiency.

**Conclusion**: To sum up, I am sure that studying the Electromobility program of the MSc at FAU Erlangen will become an important step towards achieving the desired professionalization level and meeting my career goals. This is a great opportunity to study at the prestigious institution located in Germany and I will ensure that I will do my best to be a positive addition to the FAU Erlangen academic and research life.

**Thank you for considering my application.**

**Chetan Tanaji Thombare**