**STATEMENT OF PURPOSE**

My name is **Chetan Tanaji Thombare** and I am from Pune, Maharashtra, India. I am looking forward to attaining a **Master of Science in Mechanical Engineering: Sustainable Energy Systems und Circular Process Engineering at Ruhr-Universität Bochumin Germany**.

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.

**Work Experience**: I had the experience of being a **Samsung Experience Consultant at Quess Corp Limited Bangalore from December 2023 to May 2024.** This role offered me an opportunity to learn and practice customer relations, working under pressure, as well as in communication and technical assistance. The skills I developed include gaining an understanding of industrial practices, communication, and time management skills. I have gained very good experience from this course that will enable me to tackle the challenges of advanced studies and a mechanical engineering career.

**Language Skills and Technical Proficiency**: I have passed 16 years of my schooling in English medium, which qualifies me to have a better command of the English language. Also, I hold an A1 Level German Language Certificate from Yes School of Language certified in October 2022. My technical strengths are in Python, Django, BootStrap, Communication, Time Management, Smart Working, Production, and quick learning.

**Why Enrolling for the Master’s Program**: This program is most perfect fit for my academic profile and career goals. The Bachelor of Mechanical Engineering I earned from the Savitribai Phule Pune University gave me strong theoretical knowledge about fundamental engineering concepts as well as numerous engineering courses, such as thermodynamics, energy engineering, and mechatronics. This master’s program will help me to advance further in this direction and focus on such areas as sustainable energy systems and circular process engineering, which are going to be vital in the process of solving the problem of world energy supply. Thus, by expanding my knowledge within these fields, I will be able to acquire the precise understanding and skills necessary to create new and improved methods of energy production that are not only effective but also have a minimal negative impact on the environment. This course is well aligned with my past learning and will create immense value for my portfolio by placing me on the cutting edge of cleantech advancements. The focus on application and integration in Ruhr-Universität Bochum, together with the interdisciplinary schooling and accentuation of practical assignments, will not only expand the technical information base but also sharpen the problem-solving skills to become most efficient for sustainable development movements anywhere in the world.

**Why Germany:** Germany is very popular for its engineering and technological advancement, which also continues to be at the front line in the contemporary world; qualified and advanced studies in sustainable energy systems and circular process engineering may, therefore, be pursued in Germany. In Germany, I will have an opportunity to work in the state of art facilities, a strong academic foundation, and a culture of cooperation. Also, Germany has numerous companies in the industrial sector and hundreds of engineering companies, which create perfect conditions to gain practical experience and extend one’s knowledge. Combining theoretical studies with practical training in such a progressive and innovative context will be extremely helpful in reaching professional objectives and developing international sustainable energy systems.

**Why Ruhr-Universität Bochum:** RU Bochum really defines itself as having the best faculty in engineering with a major focus on efficient and sustainable energy systems. My goals and expectations of an academic environment that embraces research, advanced equipment, and a balanced curriculum of theory and practice have found a match at this university. Therefore, the interdisciplinary approach and focus on innovation at Ruhr-Universität Bochum will enable me to acquire sufficient skills and knowledge in order to become helpful to the field of sustainable energy.

**Future Goals:** After obtaining the Master’s degree, my employment perspective is in the renewable energy industry with a specialization in the establishment of sustainable energy systems. Therefore, with enough experience, my ultimate career ambition is to work on projects that can help reduce climate change all over the world. I also would like to participate in research and development to improve the existing innovations on sustainability.

**Conclusion:** I am sure that the planned program will provide me with the relevant knowledge for real contributions to the sphere of sustainable energy. I would like to be a member of your esteemed university and contribute to a better future. Thank you for considering my application.

Sincerely,

**Chetan Tanaji Thombare**