Statement of Purpose

My name is **Harsh Goyal** and I am a diligent and goal-oriented Mechanical Engineer, graduate from India seeking an opportunity to grow my academic horizon further by joining **Hochschule Düsseldorf University of Applied Sciences to pursue the course Master of Science (MSc) in Mechanical Engineering**. My education started with the **Central Board of Secondary Education** in India where I completed my Secondary School Examination in March 2016 and got an 8. 2 CGPA. This laid a strong foundation in subjects like Mathematics, Science, and English which I enhanced during my SSCE in March 2018 with a score of 87. 40% from the same board.

During the 2018-2019 academic session, I completed my one-year extended classroom program for **JEE (Advanced) from FIITJEE**, one of the finest coaching institutes of India, for which I am recognized to be one of the eminent institutes for the Preparation of Engineering Entrance Examinations. I consider this intensive program very useful for enhancing my analytical skills and also for solving certain problems that will be a part of my engineering learning process. After that, I got admitted to **Guru Gobind Singh Indraprastha University** which is a well-known university in Delhi. I successfully obtained my **Bachelor of Technology in Mechanical Engineering from Maharaja Agrasen Institute of Technology affiliated to GGSIPU i**n the session of July 2023. I was always a good student up to the undergraduate level and my CGPA is 9.05.

My bachelor project on "Effect of Surface Texturing on the Tribological Properties of Journal Bearings" sparked my interest in mechanical design and material science.Besides formal learning, In September 2021, I trained at **Victora Tool Engineers Pvt. Ltd**., gaining experience in 3D die design and reverse engineering. Currently, I work as a **Mechanical Design Engineer at Kimbal**, focusing on smart metering solutions and project management. I have skills in CAD/CAM, SolidWorks, AutoCAD, Ansys, Fusion360, SQL, and C++, and am interested in HVAC, CFD, electric vehicles, automation, and data science.

In addition, I took the **Graduate Record Examinations (GRE)** on May 28, 2023, and achieved the following scores: Verbal Reasoning: 148/170, Quantitative Reasoning: 159/170, Analytical Writing: 3.5/6.0. In addition, I obtained my I**ELTS 7 Band**; further, I enrolled for the **German language A1 examination at the Goethe Institut**, and my exam was on 26.02.2024.

Why this course?

I have made up my mind to obtain a Master of Science in Mechanical Engineering at the Hochschule Düsseldorf University of Applied Sciences because I wish to improve both my technical and personal competencies. While I was an undergraduate student and working I got inspired by advanced mechanical systems and nice design solutions. In obtaining my master's degree, will be my chance to study recent software like CFD and FEA, which are today's trends in engineering solutions. Also, I want to strengthen my practical skills in such aspects as manufacturing processes and automation tools that would let me contribute to the improvement of engineering processes and product quality. Moreover, the general focus of the program on teamwork with students from other disciplines and creation of the projects based on collective ideas will assist in developing my interpersonal skills necessary for joint activities and organizing people. Hochschule Düsseldorf University of Applied Sciences' MSc in Mechanical Engineering will enable me to close this gap as I receive advanced technical skills alongside leadership skills that complement my previous academic education and work experience. This multifaceted education will help me to assist in designing progressive engineering projects and to fulfill my career ambitions.

Why Germany and Hochschule Düsseldorf University of Applied Sciences?

The country's educational system is highly developed and recognized all over the world, and German science is making great progress in engineering and technology. German universities focus on both theory and training and students are always ready to face challenges faced in the modern world. Employment opportunities are widely enhanced through great business-university cooperation in Germany that provides easy internship and employment chances. Also, the cultural and historical background as well as tolerance of the given country can be considered as a number of advantages that allow international students to achieve success both in the studying process and in the development of their personalities.

Thus, it is quite logical to attend Hochschule Düsseldorf University of Applied Sciences as it elaborates such aspects as Making and Practice. The university boasts of modern equipment and close ties with firms that give the learners practical experience and devise themselves with the latest equipment. The MSc in Mechanical Engineering program is General and streamlined to advance the students' technical and creative skills. Furthermore, the SLU is organized to practice applied research and establish cooperative interactions with international organizations; this makes the process of learning complete and relevant to global practice. It also locates its campuses in Düsseldorf, a city with a thriving economic and cultural life which also boosts the prospects of professional and personal development.

After this program, I intend to join the companies like Siemens, Bosch, or BMW and perform the functions of Mechanical Design Engineer, Project Manager, or the Research and Development Engineer. Given these positions, I shall be in a position to offer my input to revolutionary projects and technologies for mechanical engineering.

Therefore, based on the academic results, working experience, and genuine enthusiasm towards Mechanical Engineering I believe that the MSc in Mechanical Engineering at Hochschule Düsseldorf University of Applied Sciences is a perfect fit for me. Thank you for sparing your precious time to go through my application.

Yours Sincerely,

Harsh Goyal