

## **STATEMENT OF PURPOSE**

" Nothing is so inspiring as seeing big works well laid out and planned and a real engineering organization" Frederick Handley Page. —the domain of construction which is intertwined with innovation, sustainability and social accountability. My inclination towards the field of civil engineering stems from a deep propensity to explore the realm of the dynamism of this field to be one of the contributors to shaping the environment for a better tomorrow. As the domain of civil engineering can impact people's lives, it has always inspired me to pursue it as a profession. My bachelor's studies exposed me to several civil engineering fundamentals, softwares, and tools that further strengthened my passion for formulation spaces that transform functionalities and accept sustainability as a guiding force. I am enthusiastic about exploring methodologies that can enhance my designs through higher education. Consequently, I have chosen to pursue a MSc in Structural and Building Products Engineering at the esteemed Kaunas University of Technology (KTU). KTU, located in Kaunas, Lithuania, is a prominent public research university. As one of the largest technical universities in the Baltic States, KTU enjoys a strong reputation for its academic programs, research endeavors, and contributions to science and technology development in Lithuania. Established in 1922, KTU has a rich history in higher education. The university's main campus, situated in Kaunas (Lithuania's second-largest city), boasts modern facilities and abundant resources to support academic and research activities. KTU maintains a robust international presence, collaborating with universities, research institutions, and industry partners worldwide. For international students and researchers, KTU offers diverse opportunities to study and work within its dynamic academic environment. Given my extensive knowledge, project experience, and work history, I believe I am a strong candidate for your prestigious MSc in Structural and Building Products Engineering program.

I pursued a Bachelor's degree in Civil Engineering at Prof. Ram Meghe Institute of Technology & Research after completing my intermediate studies. Among the various subjects, those related to Structural Engineering captured my interest. These subjects included Building Planning Design, Structural Analysis, Computer-aided Design, Steel Structures, and Analysis and Design of Structures for Earthquake and Wind. Each of these plays a crucial role in the field of construction. In the Building Planning Design coursework, I delved into site analysis, client-driven design, software modeling, presentation of design roadmaps, and material utilization in building processes. The Structural Analysis modules provided insights into structural modeling, dynamics, case studies, and practical implementation. In Computer-aided Design, I gained familiarity with rendering, visualization, assembly, animation, and 3D modeling. Similarly, studying Steel Structures and Analysis deepened my understanding of steel material properties, including elasticity, strength, tensile behavior, and responses under varying loads. Furthermore, the Design of Structures for Earthquakes and Wind enhanced my knowledge of seismic forces, hazard analysis, wind loads, wind-resistant design features, and structural dynamics. Armed with this understanding, I look forward to successfully completing my Master's in Structural and Building Products Engineering abroad.

I joined RH Baig Construction as an Intern Assistant Site Engineer to enhance my professional skills. My responsibilities included documenting daily activities to analyze processes and improve productivity. I managed orders, tracked the delivery of construction materials from vendors, and ensured that technical drawings adhered to standards and deadlines for quality control. Similarly, I interned at M/s K.G.N Industrial Services in Rampur. In this role, I maintained records of labor,

supplies, and tools. I managed payroll, monitored staff attendance, and ordered new supplies for the sites. I examined issues, collaborated on solutions, reviewed blueprints, and communicated information to employees. Additionally, I assisted the operations group in arranging warranty repairs. Later, I took on a role as a Supervisor at SB Construction. In this position, I oversaw project execution, ensured adherence to safety standards, and coordinated with various teams for smooth operations. I was responsible for supervising staff, scheduling shifts, and resolving on-site issues promptly. This role further enhanced my leadership skills and gave me a deeper understanding of structural engineering.

Besides gaining the subject's expertise and professional exposure, living a balanced life is crucial to being aware of our moral duties to the environment and other living beings. I keep attending workshops and seminars online and offline to hone my knowledge further. These activities introduced me to numerous people. While interacting with these people, I fostered my communication, leadership and teamwork skills. I connect all the dots in my learning journey, and I have an innate calling to work towards innovation, designs, tools, architectural spaces, and sustainable design ideas to contribute my best to society and humanity across the globe.

Applying for the Masters in Structural and Building Products Engineering is the next significant milestone in my journey. My interest lies in the exuberance of this field. However, I am seeking a scholarship to alleviate the financial burden of pursuing higher education, allowing me to focus fully on my studies. The scholarship would enable me to access the necessary resources and opportunities for academic and professional growth. I bring my discipline, competency, and eagerness to learn more. Along with the rigorous academic curriculum, I am excited to learn alongside a diverse set of individuals, indulge in research endeavors, and engage in hands-on learning practices. I aim to delve into advanced, cutting-edge technologies in structural engineering methodologies. This will intertwine the holistic process of bridging the architectural vision to reality, ensuring high quality while adhering to regulations and guidelines. I have acquired a foundational understanding of this field, and pursuing further mastery would help me gain proficiency and satisfy my appetite for this domain. My immediate goal is to obtain an internship or an entry-level position in a reputable global organization, where I can work at the forefront of executing sustainable design and effective project management strategies. In the long run, I aspire to take on a leadership role and start my construction venture in my homeland, driving strategic initiatives and fostering cross-cultural collaboration. This evergreen field will be beneficial to me in the future. I intend to participate diligently in every lecture, course, project, and assignment to thoroughly avail myself of the learning opportunities provided. The program from your esteemed University will likely elevate my overall career aspirations and enhance my intellect as I pursue higher studies in this field. The ever-evolving industry demands professionals with substantial ability to fulfil its requirements. My perseverance and optimistic outlook form the foundation of my passion for securing higher education, and my qualities would prove to be an asset to the institution's glory.

Thank you.

