

## **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 eager to further explore methodologies that could enhance my designs through higher education. Therefore, I have decided to pursue a Masters in Structural and Building Products Engineering at the esteemed Kaunas University of Technology (KTU). KTU is a leading and prestigious university in Lithuania, ranked among the top 100 universities in Europe. It is renowned for its exceptional faculty, resources, projects, and research facilities. My extensive knowledge, project experience, and work history make me a strong candidate for your prestigious Masters in Structural and Building Products Engineering program.

After my intermediate, I wanted to embrace "engineering fully." So, I opted for a BE in Civil Engineering from Prof. Ram Meghe Institute of Technology & Research. The subjects that piqued my interest more towards the field of Structural Engineering were Building Planning Design, Structural Analysis, Computer-aided design, Steel Structures, and Analysis and Design of Structures for Earthquake and Wind. These subjects are essential in the field of construction. In the coursework related to Building Planning Design, I discerned site analysis, design based on client needs, and softwares designing, modelling, presentation of design roadmaps, and material utilization in building processes. During the course modules related to Structural Analysis, I gained insights into structural analyses, structure modelling, structural dynamics, case studies and practical implementation. In Computer-aided design, I became familiar with rendering and visualization, assembly and animation, 3D modelling, parametric modelling, etc. Likewise, Steel Structures and Analysis helped me understand the material properties of steel, from elasticity, strength, tensile character, and responses under varied loading conditions. Moreover, with the studies of the Design of Structures for Earthquakes and Wind, I fostered my understanding of seismic forces and loads, hazard analysis, wind loads and forces, wind-resistant design features, and structural dynamics. The understanding of these subjects will further help me in the smooth completion of my Masters in Structural and Building Products Engineering coursework 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 endeavours, 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.