LETTER OF MOTIVATION

Civil engineering plays a crucial role in shaping our physical environment. It involves creating sustainable infrastructure and enhancing transportation systems, which directly benefit communities and the environment. With the advancements in computational techniques, civil engineering is undergoing a revolution. By studying advanced topics, I can be part of this innovation, developing new methods for design, analysis, and construction. That's why I have made the decision to pursue the **MSC Programme: Advanced Computational and Civil Engineering Structural Studies (ACCESS).**

This program will teach me how to select suitable building materials, analyze structural behavior with continuum mechanics, and apply tensor calculus to complex systems. I will also learn about energy methods, numerical techniques, and mentoring skills. I will be able to design reinforced concrete and lightweight structures, ensuring safety and compliance with standards, and use computational dynamics for dynamic analysis. Additionally, I will learn how to model pavement systems for optimal design. After successfully completing the course, my ultimate objective is to secure a position as a **Computational Design Engineer**, where I can apply my skills and knowledge to create innovative and efficient designs.

Academically, I finished my **10th grade (ICSE) in 2017 with a score of 91.33%.** After that, I completed my **12th grade (Pre-University Examination) in 2019 with a score of 88.5**%. After completing my 12th; I pursued a **Bachelor's in Mechanical Engineering** from Visvesvaraya Technological University from 2019 to 2023, achieving a **CGPA of 9.07**. Apart from this, I worked on a bachelor's project called "Design and Fabrication of a Hybrid Bike." The goal was to create a bike that combines the benefits of electric and internal combustion engines, promoting sustainable transportation. I achieved a 7.5 band score in the IELTS, completed STEP UP 5.0, received a certificate for voluntary blood donation, and finished international assessments for Indian Schools in Science. I also completed courses in Learning JAVA 11 and Solidworks Essentials. My skills include proficiency in SolidWorks, Ansys APDL, MS Office, and programming languages like C++, Java, and Python.

Additionally, **I completed an** Industrial Internship in Automation Technology at RNSIT-Rexroth Bosch Group**, India.** During this internship, I gained hands-on experience in Industrial Automation, specifically in Hydraulic systems, Pneumatics, and PLCs. I also completed a project involving the real-life application of a shaper machine. **Following that, I interned at** Tyson IT Solutions Private **Limited (formerly known as Oaklawn IT Solutions Private Limited) in Mumbai, India, from** February 13 to July 31, 2023**.** In this role, I received training in manual testing and Workday Integrations as part of the Global Workday Implementation Project. I collaborated with the Business Analysis (BA) team and contributed to the development of a Standard Integration Testing Suite.

Since August 1, 2023, I have been employed at Tyson IT Solution Pvt. Ltd., a subsidiary of Tyson Foods Inc. As an Associate Developer, **my main focus is on development using Blue Prism and Snaplogic.** I handle technical problem resolution and troubleshooting requests from users, specifically related to Blue Prism and Snaplogic. This position has provided me with valuable experience in software development and effective problem-solving using these technologies.

My search to find the perfect university began with choosing the country I wanted to study in. The reputation of Germany as a welcoming destination for international students influenced my decision to choose your academy. The universities in the country are renowned worldwide for their excellence. Being a well-developed nation, it has a capable crime-fighting system, providing a safe environment that will enhance my learning experience and intellectual growth. Being a highly developed country, it provides an industry-oriented education and research infrastructure that emphasizes practical learning. Its institution's higher education curriculums are perfectly aligned with industry demands. It houses a number of universities which are well known on a global scale for their research outcomes and world-class higher education.

The decision to study at the **Technical University of Dresden** was influenced by various factors. I was particularly impressed by the curriculum and the facilities available on campus. I am aware of the university's outstanding reputation. It not only offers outstanding research facilities but also places great emphasis on the personal and professional growth of its students. Having access to world-class facilities during my learning phase will greatly impact the quality of my work in the future. The curriculum is comprehensive, closely tied to the industry, and has been designed to prepare learners for a highly competitive professional environment. The coursework is carefully designed and delivered by highly skilled educators. They have extensive research experience and effective teaching practices. Moreover, the education system at this provider emphasizes practicality and research-oriented approaches over theory-based learning. Attending this university will undoubtedly enhance my professional skills.

I am extremely positive and hopeful that you would make a decision in my favor. Pursue a master’s from your esteemed institution in the area of my interest will pilot me to my professional goal

Yours Sincerely, **Abishek, Angadu Suresh**