Statement of Purpose

If we walk down a highway, everything that we see is man-made, Civil Engineers probably had a hand in designing it. To a boy who spent his childhood in a rural area, the thought of being able to design and construct big roads was invariably fascinating and indulging. The strong desire to leave behind a mark of myself in the form of a magnificent road, sparked in me the interest to study civil engineering and have a deep understanding regarding the working mechanism of transport.

After I graduated from High School, I set out on my journey to study engineering however, With hard work and strong commitment, I was able to enlist myself at Vellore Institute of Technology (VIT), Vellore. VIT is one of the best private colleges in India with an extremely distinguished faculty and excellent industrial exposure which encouraged me to pursue my engineering degree.

During my year as an undergraduate student, I was exposed to different subjects, worked on many in-course projects, and engaged in various lab works. We had a highway lab, material testing lab, concrete lab, soil lab, survey lab, etc. My favorite among all was the Transportation Projects as I was able to engage with it for three semesters during my Transportation Engineering, Traffic Engineering, and Transport Planning & Management course. I learned about the design & analysis, Traffic steam models, Transportation planning process and surveys, and Comprehensive Mobility Plan (CMP) as well. During my Traffic Engineering course, I was taught about the various Traffic characteristics and Traffic studies and worked out it with existing intersections and comparison in real-time. It was during these in-course projects work that I began to boost my interest in research works. My final year project was entitled "Construction of Integrated Check-Post at Indo-Nepal Border" where I was exposed to a deeper context in the field of Transportation and learned a lot about problems we face and how to deal with such problems. I learn from my mistakes and seek improvement that is why I was able to improve my CGPA every semester passing.

Through this master's program in civil engineering, I hope to enhance both my academic and practical skills. My only and most important purpose from this master's program is to learn more and improve my skills. I hope that after this program I could solve the problems in our community and help the people. I hope to be able to engage with classmates & professors to complete term-based projects that will challenge all of us to think critically and apply ideas. These ideas will allow me to also recognize unmet needs in the community around me that can be addressed through intelligent designs. My field of interest in Civil Engineering is Transportation engineering which has a lot of further research potential in the future. I wish to explore advanced topics in Transportation engineering and its related fields, as well as upgrade my understanding of the working methodology in research works so that it can pave way for my doctorate degree. Upon the completion of the program, I would like to work for the research and development department of a company to create a solution for Transport problems that arise during the planning, designing, and construction phase. After acquiring professional experience, I believe I will have obtained the skills essential to continue my education with a Doctoral degree. In the future, I aspire to be recognized as an expert in my field while being engaged in the teaching profession educating students both academically and professionally.

For a student who completed his engineering from India, IITs need no introduction and so do my reasons for applying to it. I had so many professors who were alumni of IIT and they would proudly talk about their life at IIT, Extra co-curricular activities, and their research works. All these factors persuaded me into getting admission to IIT and make my life significant by becoming a part of such an elite institution.

Thank you for considering the application.