

## PERSONAL STATEMENT

Program Applied: Master's (M.Tech)

Major: Civil Engineering      Specialization: Structural Engineering

**“Education is a tool that puts one on a fast track to acquiring knowledge and personality that sets one apart from the crowd.”**

Ever since I can remember, I have been fascinated by how our surroundings are built and designed. The interaction that humans have with the built environments around the entire world is one of the main factors that influenced my goals and helped me choose my path after high school. Upon securing admission through EDCIL scholarship to one of the best engineering colleges of India, I structured a view of what I might do here. But I found civil engineering even more interesting and challenging than what I had imagined. My schooling at elementary and high school had given an excellent command in basics of mathematics and science and more importantly ignited a strong interest in civil engineering. Undergraduate study is not enough for me to get all the answers of my curiosity. Graduate study, a sequel to undergraduate study, opens up newer dimensions to explore and gives a wider range of career alternatives.

It was the year 2015, when massive earthquake happened in Nepal. I was about to complete my XII, due to this earthquake I lost my dearest and loved ones. This hits me so badly that I was unable to concentrate on my study. This happened because the buildings were not earthquake resistant. Later, I keep on searching why and how such buildings collapsed? How can we make building that can resist earthquake waves? Who are responsible for such design and detailing? Etc. This was the enticing factor behind me studying Civil Engineering with a zeal to make an impact on the structural sector of my country so that others do not have to face the same troubles that I had to face. An undergraduate course in civil engineering helped me explore aspects that seem unlikely from the outside but are actually just the tip of the iceberg. I was particularly fascinated by concept of Structural engineering for all prior mentioned reasons and also because studying this subject gave me a feeling of superiority about how civil engineering has changed the world. Structural engineering being a very vast field, my specific interest was in tall and high rise building because these are the backbone of the development of the country. Structures have always been an integral part of my studies and resume during the undergrad days and I wish to continue with the same specialisation in the future.

I did my final year thesis project on titled “*Stress-Strain Analysis of Flexible Pavement Incorporating Viscoelastic Response of the Bituminous Material and the design of Pavement*” as the part of a team. Also I did my minor project on titled “*Planning, Analysis and Design of G+5 Residential Building Using Base-Isolation Technique*”. I was more involved in doing design part of the project which was done using working state method of design. Along with these designs, I also learned practical knowledge about design and detailing of building along with how building behaves with and without base isolators. During the course of project period, I also took a software training classes of ETABS software which helped me in designing base-isolator using

software. The pleasure I got from studying and doing research made me decide to pursue a career in Structural Engineering.

If accepted to this program (Structural Engineering), I will be allowed to begin my journey towards all of my educational and career goals. My educational aspirations consist of studying structural engineering and obtaining degree at IITKGP, one of the best institutes and programs of India. My strategy for graduate study will, therefore be a prolonged one where I shall be able to consolidate my knowledge in a more specialized way and acquire the skills used for the research. My concentration in civil engineering is particularly in structural engineering which has a broad scope in my home country Nepal as it is in the verge of development. My interest swayed me to take advanced courses like Ground Improvement Techniques related to structures in my final year as electives subjects.

I am applying for your college on an account of its excellent research facilities combined with distinguished and dedicated faculty. The fact that your civil engineering institute is one of the most admired in the country and the fact that you allow students to specialize in their subjects of interest enticed me the most in applying for this institute. My admission into your esteemed institute is of paramount importance for my career. With the theoretical knowledge and practical skills that I currently possess, I am well equipped to meet your expectations. I am confident that I would surely synchronize to your standards. I hope I will be favorably considered for admission into my desired course.

Having made this statement of my objective it is my belief that I possess what your university looks for in a prospective student, a strong academic background and the will to perform and deliver. Upon completion of my post graduate study, I plan to return to my home country and utilize my knowledge of structural engineering for the betterment and development of my country.

I believe that I have that enthusiasm and real interest in structural engineering that will make me a suitable candidate for this degree course.