

SOP FOR M.TECH IN CIVIL ENGINEERING

When I was preparing for civil engineering entrance examination in Kathmandu in 2015, a massive earthquake struck almost the entire South Asian region. It killed thousands of people in Nepal, and destroyed ancient structures and modern building and many other mountainous places in a flash. I was awestruck by the damage as a human being and shocked by the fragility of human constructions. My resolve to study and understand this particular aspect of engineering, the civil engineering gained momentum. My interest in this field has always been intense but the natural disaster took me to task. I ran around and helped but equally felt helpless as an aspiring scholar of civil engineering.

I completed my graduation from a renowned university from India and returned to Nepal and after some considerable experience in the field, I explored further prospects of study. When I visited the IIT KHARAGPUR web page I found Prof. Nirjhar Dhang and Prof. Aniruddha Sengupta's area of work, teaching and research on Soil Structure interaction and Earthquake Engineering looked very much inspiring to me, as a student. Their work on Structural Engineering like Soil Structure Interaction, Earthquake Engineering, Digital image analysis of concrete, and structural health monitoring are the areas which can help me in higher educational guidance and in my work in Nepal after the completion of the degree. Prof. Nirjhar Dhang and Prof. Aniruddha Sengupta's areas are a blend of Civil Engineering and Structural Engineering. I would like to specialize in this field if given a chance to study in the most prestigious institution, the IIT KHARAGPUR.

During my college years, I did complete my two projects, first one is **Planning, Analysis and design of G+5 residential building using base isolation technical** and second one is **Soil structure interaction analysis and design of overhead liquid storage tank located in Kathmandu valley, Nepal subjected to earthquake load**. As my extracurricular engagements, I was part of the Directorate of student affairs (DSA) to maintain the discipline in the college events. And also I was an executive member of NGO (Blooming Beacon), which is a broader in and out of campus responsibility. I was appreciated for my humanitarian leadership quality, which may be of huge help to me to contribute the excellent environment that the college is known for.

Apart from my extracurricular work, I also completed two internships, one in a building construction at oceanic area and another one in the hilly areas of Nepal. After completing BE, I worked there as a Site Engineer. I always like to study and explore things by setting my goals by emphasizing my creative vision and management skills to complete projects.

Through this Master's Program in Civil Engineering, I hope to enhance both my academic and practical skills. After going through the program offered at IIT KHARAGPUR, I am confident that I will be able to explore advanced areas of study in engineering and its related sub-fields.

The opportunities for study within a professional academic atmosphere to develop real world skills will be invaluable experiences for me. My aim is to bring in the knowledge information and contents of the discipline in Nepal which still is in dire need of university professions from international institutions with a state of art academic knowledge. IIT KHARAGPUR will certainly fulfill my objectives.