

### **Statement of Purpose**

*“We can't control natural disasters, but we can minimize the effects of it and safeguards the nation.”*

I began to grow a deep interest in science and mathematics from my childhood, with my little pocket money, I used to participate in science exhibition work and share my ideas among teammates. It was time, on 25<sup>th</sup> April 2015 when earthquake struck in Nepal, toppling of multi- storeyed building and small structures, many people died and loosed their home, I felt mournful and made me think regarding the pandemics, moreover, in Nepal there is lack of good Structural as well as transportation system. I thought to choose a career as a civil engineer to serve a nation. It is rightfully said that technology is great growing engine of change. I believe that the best way to predict the future is to make it. With this belief, I always planned and executed my life towards predetermined goals.

Due to strong interest in science and mathematics, in the year 2014, I started my Intermediate and completed in 2016 with good percentage. The subject like physics and chemistry, it enhances my understanding of the present world conditions with adverse causes and effects. As a good student, I had participated in different quizzes at national level during my Intermediate. I also had participated in different technical and non-technical programs. I used to spend my free time by teaching in several coaching centre to generate pocket money.

With the ultimate passion for engineering, in the year 2017, I joined BTech in civil engineering for my undergraduate in Guru Nanak Institute of Technology, Hyderabad. I had utilized my time in college to understand the various concept and enhanced my practical skills. Through my engineering career I have participated in different workshop in emerging trends in civil engineering, smart and sustainable material in construction, fundamental of project management and ETABS workshop. During my second-year vacation, I did internship at Angels Infraheight Pvt. Ltd, where I learned about the construction work and project management activities. I had published Journal on “Effect of Calcium Sulphate on Strength and Durability Parameters of Fly Ash Blended Cement” on Pensee International Journal. During my final year I did my project on “Analysis and Design of G+5 Building” by using Etabs software. Apart from that I had also participated in extracurricular activities like sports, I played cricket from college team, attended in voluntary works. While my confidence was boosted with all these accomplishments, I didn't want to stop what I was doing.

Now at this point of my career, I am confident that if I get admission in master's program, it will help to build strong foundation in upcoming future days. My strategy for master study will be a prolonged one where in I shall be consolidating my knowledge in a more specialized way to acquire the skills used for the research. My field of interest in civil engineering is Structural Engineering and Transportation Engineering. While studying these two subject, I felt enthusiastic and searching new ideas on mind to accelerate some thing new.

I am applying at your institute as it incorporates excellent research labs with experienced and eminent professors. I have always been an outstanding student and have received several

rewards for my skills and hard work. I believe that studying in great university like IIT Kharagpur will give me the skills needed to eventually develop myself as an individual and offer my professionalism in every one of my desired achievement. I believe that I will thrive at your university. I am sure that my skills, knowledge, and passion will grow exponentially at your university and provide me a competitive edge in my career.

All knowledge is in human mind, it requires only an awakening. Since I strongly believe that your institute would be an ideal place for me to pursue my master program. I wish to canalize my knowledge and make my life significant by joining IIT Kharagpur.

I am hoping for the best. Thank you!

Yours Sincerely,

Aditya Jha