

## Statement of Purpose

### **Syed Aaqib Javed**

My name is Syed Aaqib Javed from Bangladesh and my area of interest is Civil and Transportation Engineering. I completed my Bachelor's degree in Civil Engineering. I opted for Civil Engineering, as I was enamored with development of civilization. I studied hard to matriculate to one of the prominent Engineering school in the country. Throughout the undergraduate studies I perpetuated good CGPA and secured scholarship in every semester. My final year thesis was based on Mode choice model. While pursuing bachelor degree, I traveled to make a publication on my bachelor research in an international conference and I made it. I published two international conference paper based on my thesis. I also made software based on python to calculate the utility function of the mode choice model.

After the completion of Bachelor's degree in 2016, I joined in my own undergraduate university as a lecturer in the department of civil engineering, Ahsanullah University of Science and technology (AUST) from January 1<sup>st</sup>, 2017. I taught Transportation Engineering-I, Transportation Engineering-II and Fluid mechanics courses and so on to the undergraduate students. Apart from this, I was also thesis supervisor for six final year undergraduate students. From their experimental findings, I have published two international journals as well as one international conference. In 2020 I got promoted as an Assistant Professor. My teaching experience has ameliorated my self-confidence as well as my ability to carry out research robustly. I have already published total seventeen journal and conference papers.

To be conceptually robust, resilient towards challenges, self-confident, I need to learn and conduct more research works. To accomplish the same, earning an M.Tech. in the field of my interest is of utmost priority for me. An M.Tech. degree from an institution like Indian Institute of Technology Kharagpur which has substantial research facilities, expert faculties, eclectic courses and sound atmosphere, can boost up the skill of a young researcher like me. Particularly I am interested in research on Transportation System Planning, Travel Behavior Analysis, Traffic Simulation and Traffic Impact Assessment etc. I have seen on the webpage of department of civil engineering at Indian Institute of Technology Kharagpur that it has vast facilities which will be provide me with a perfect environment to conduct my research. After completing my degree I intend to come back to my country, Bangladesh and pursue a career as a teacher and a researcher in the field of Civil Engineering.