

STATEMENT OF RESEARCH INTEREST

My name is **Md. Hasibur Rahman** and I completed my graduation in Civil Engineering. But I always had a dream to specialize in Transportation Engineering. During my undergraduate career, I have gained knowledge and experience in both the classroom and in practice and wish to enter IITKGP's post-graduate program in Transportation Engineering.

Transportation engineering combines each of the fields I find most interesting, exciting, and practical, specifically Engineering, Physics, and Mathematics. Over the past three years, I have worked diligently to increase my understanding and mastery of these subjects, and I have greatly enjoyed the process. Furthermore, I wish to study Transportation engineering at IITKGP so I can contribute to the understanding of physical phenomena encountered in Civil Engineering, leading to a more accurate assessment and use of materials, sites, and processes. My specific interests include pavements, material geometrics, traffic operations, and control, and transportation systems analysis.

Transportation Engineering in the Department of Civil, Architectural, and Environmental Engineering covers this entire spectrum of activities pertaining to the analysis, planning, design, construction, operation, and management of integrated transportation systems. The program here combines a long tradition of innovation in highway and traffic engineering with cutting-edge research in the rapidly evolving transportation systems engineering profession. Best of all, it provides balanced course offerings and research in each facet of transportation, including pavements, material geometrics, traffic operations, and control, transportation systems analysis, management, financing, economics and decision-making, freight transportation and logistics, as well as vehicular traffic science and travel behavior dynamics; many of the fields that I am most interested in pursuing as a graduated student.

My ultimate goal is to become a better Civil Engineer specializing in Transportation Engineering. Since the study on Transportation Engineering is still far behind the world's leading position, it is necessary to learn the latest knowledge and technologies from the developed country so as to promote the research level. My desire to make my own contribution to this field pushes me to go after more advanced knowledge. IITKGP has long played a leading role in the research of Transportation. My strong inspiration for pursuing Transportation Engineering at IITKGP is fueled by its academic community and prestige for the profound theoretical deposits and competent research teams. For all these reasons, I sincerely hope to be granted with the opportunity to study as a post-graduate student at the Indian Institute of Technology Kharagpur. Under the guidance of its professors, I am convinced that I will certainly find my place in Transportation Engineering.