

Pursuing a course in Chemical Engineering will enable me to prowess in a field that started as a dream. After ending my school I was admitted to a reputed public university named **Noakhali Science and Technology University** in Bangladesh. I admitted to the most research-based course **Applied Chemistry and Chemical Engineering** Smooth to say that my research experience and motivation to research started then. Since then I have a keen interest in Chemical Engineering.

When I started my under-graduation Project on "E-waste management of Bangladesh" under the supervision of my honorable supervisor **Rajib Chandra Das** I was deeply concerned with the present situation of e-waste all over the world. Because a lot of toxic chemicals are exposed to the environment. E-waste consists of a lot of toxic chemicals. Due to the unwillingness of recycling e-waste, these chemicals are mixed with air, water, and soil and continuously contaminated the environment.

Through chemical engineering, the contamination of the world can be reduced. Only a chemical engineer can create an eco-friendly relation between chemicals and the environment. Besides I am always a practical thinker. This helps me to keep concentration in my research activity.

I believe that I am a suitable candidate for the course since I have a passion for physics, chemistry, and mathematics which will help me in my analytical works of chemical engineering. In my graduation, I always try to think practically all the relevant topics on my subject **Applied Chemistry and Chemical Engineering**.

Besides I have practical knowledge of HPLC, Gas Chromatography UV-visible Spectrophotometer, IR-Spectrophotometer, Boiler, Pump, compressor, heat exchanger, Because I have training experience on the **Unit operation and Process Control Technique** from the **Training Institute for Chemical Industries(TICI), Narsingdi** which will help me my practical task of chemical engineering. I think that my intelligence and dedication to analytical work help me in my innovative activities through chemical engineering. Through research with the help of chemical engineering, I can do something better for the world.

I know that **IIT, Kharagpur** is a suitable location for my choice of the subject because IIT, Kharagpur is one of the best universities in India as well as in the world for its top-notch research facilities. I know that the students and faculties of this institute conduct research activities in thurst areas of science and engineering which brings a good impact on global developments. Besides, the lab facilities of IIT, Kharagpur is outstanding. And India has a nice environment to study for foreign students.

If I have got a chance to pursue the M tech in Chemical engineering in this most prestigious institute through ICCR I will try my level best to contribute to the development of the world through my research activity.

Regards

Amlan Saha