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Applicant for M.Tech Program in Power Systems

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While I was in my 4th year of college, we had been given a sessional course on 'Power System and Electronics.' We have seen the Power System protection equipment for the first time in that specific course. In our country power station failure, load shedding and losses of electrical equipment all those are regular scenario. Lack of expert engineers, we can't overcome from these problems. For any emergency purpose we have to depend on Indian engineers. Some time it takes time to overcome our faulty situation. In that time losses become high. In India, the Power System subject had taken place. I was experiencing a desire at that time to pursue my career in Power System. I wish to advance the power sector by researching modern methods to ensure system efficiency in pursuit of my master's degree. I would like to explore specialized technologies and strategies for use in Power System. I believe that the vast resources at IIT Kharagpur will complement my academic training, my research experience.

My fascination with the power section began when I was in primary school. I used to connect dc fan and led light to the battery properly. When it works, my curiosity behind this logic reaches higher. I fall in love with physics in class 10 when I started visualizing the system with regard to physics. I used to do maths of mechanics all day long by visualizing the system involved there at the HSC level. When I came to AIUB, one of our country's greatest engineering universities, I was confronted with the subject of Power system, my heart sprang up with joy. I have assisted many of my friends in this matter. And, luckily, later in my electrical course I got PSIM and

PROTEUS. I chose the project in my undergraduate project which was also related to battery monitoring.

My undergraduate project on 'BATTERY MONITORING SYSTEM'. I did my project Under the Supervision of Md. Nahian - Al - Subri Ivan. In this project, battery monitoring system is designed for factories and commercial uses. The system is fully operational and works as expected. For relying on the older methods, the charging system is not the best solution for charging. Other sensors were working successfully. They were picking noise, and the noise was reduced using responsive analog read library and external capacitor. It is possible to add much more functionality to the system.

I worked in 'KDS STEEL' power maintenance department section. When we faced faults in electrical machines, our company hired Indian experts for solving. That's why I didn't carry on with my job rather than pursuing my study.

I was going through the academic curriculum of the electrical department of IIT Kharagpur when I got the email from IIT Kharagpur. And the courses involved in the power System galvanized me with joy.

I've been raised by one of the best engineering universities in my country. My academic career has imbued me with the top tier knowledge of Electrical Engineering. My academic persistence made me face the challenges and complexities of the Power System of Bangladesh, a developing country where a huge lacking of Power System protection. Our country is getting devoid of adequate supervision. My vision is to employ the least science and technologies in the field of electrical sector in order to ensure a safe, economic, perfectly environment-friendly

and convenient power system. Under the guidance of the premier faculty at IIT Kharagpur, I will aspire to reach my goals of becoming an expert in the field Power system section.