

## RESEARCH INTEREST OF REMON DAS

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Being born in an era where Science flourishes and is persistently used as a base to solve all of mankind's problems makes me hunger for the knowledge it bestows. I first discovered the Power Science at the class of 12, when I was visited a project showcase and idea competition, which introduced me to an innovative& electrifying world. In that occasion, I have seen that most of the projects are run by electricity and able to easier the human hardness. This has developed my ability to articulate scientific ideas clearly and concisely in extended prose. My current interests lay on the study of power system and power electronics which are related to the development of electric vehicle and smart grid. Electrical Engineering will help me to transfer my scientific interests into a well-regarded, fascinating specialty with practical impacts. Therefore, I'm strongly committed to pursue my higher studies and research on Power System and Electronics. After finishing my twelfth grade, I decided to study in International Islamic University Chittagong (IIUC) which is one of the most prestigious university in Chittagong region and undoubtedly the best institution for engineering studies. In my early semesters, I went through the basic courses attentively, which really laid the foundation for the later courses. Among all the courses covered, Power Electronics, Power System Analysis, High Voltage Engineering, Renewable Energy Conversion, Power Transmission & Distribution of Electrical Power, Electrical Machines intrigued me the most. During the course of obtaining Bachelor of Science in Electrical and Electronic Engineering, I had a chance to research in the fields of power electronics, motor drives, energy management and microcontroller. My achievements in these fields have been rewarded with 2 published conference papers in the fields of power electronics and motor drives. **Apart from these my latest conference paper titled "PI Controlled BI Directional DC DC Converter and Highly Efficient Boost Converter for Electric Vehicle" has been published in the 3<sup>rd</sup> IEEE International Conference on Electrical Engineering and information & Communication Technology (iCEEict-2016).** I have also had the privilege of presenting at **Six (6)** different conferences regarding my work not only in power electronics but also in Energy and Engineering Management. In my 5 years professional career I have done a lot of projects in complete power solution for the factories. **So, I am highly interested to higher study on Electrical Engineering where I can apply my knowledge and develop new technique for overcoming the current problems of Power System and drive. I believe that, that kind of research is very useful to develop the economic and effective technique of power system.**

India is a competent and advanced country having power technology in all aspects of life. During my study first I will complete my study courses provided by department of Electrical Engineering. Then I will join research group and complete my thesis work and publish my research work under the kind instructions of my research supervisor.



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