

Sample Research Proposal

Academic Background: I have completed my undergraduate studies in Electrical engineering from “ABC University of Engineering and Technology”, , Pakistan, in March 2012, with a CGPA of 3.86 out of 4.00. I was an active somehow indulgent student among others during my undergraduate studies, very often involved in many curricular and co-curricular activities. In fact, I was up to the mark and honored in the top 1’s list of 120 students in my undergraduate class. If observed by the meritorious efforts I remain very competent and I have passed all entrance tests conducted by the academic institution of my education with high achievements and secured overall 4th place in the whole district. I did my final year thesis project on “Design, development and fabrication of under/over voltage relay using static devices” with the group of five members in which I was made the Group Leader. The fabricated relay can be used for the automatic protection of house hold appliances and power system against voltage related problems. In this project, I learned and researched automated control and protection using Circuit Breakers and Relays along with other high speed automatic control and protecting equipment’s involved in automation of the modern systems. While working on this project I found strong motivation in myself towards graduate study and research in the area of power system automation. At present, I am working as a Maintenance Engineer in Dawlance Group of Companies (the leading household appliances company in Pakistan); my job’s major responsibilities include; Maintenance and Automation of industry’s power system and machines along with the planning and the proper allocation of available resources to achieve the smooth and efficient operation of the plant by conducting routine and reactive preventive maintenance activities. Here, in Dawlance, I have learned, researched and practically implemented the applications of electrical automation engineering in manufacturing process along with the extensive knowledge of Electrical automation devices like digital relays, vacuum and oil circuit breakers, Programmable Logic Controllers, Programmable automation controllers , Human Machine Interface and instrumentation devices. Furthermore, I Led the project “Energy saving by the optimization of electric motor usage” with annual savings of 1.2 Million PKR by conducting efficiency analysis, Right sizing of installed motors, formulating the saving calculations and obtaining USAID OFFER by negotiations with vendors and USAID audit authorities. Also because of ardent interest and motivation towards power system automation, I was selected for 16 weeks internship in National Transmission & Dispatch Company; the sole electric power transmission company of Pakistan. Where I gained quality level knowledge and working experience about Grid System Operations (GSO), Protection and Instrumentation (P & I), SCADA, Metering and Testing (M & T). Along with these technical aspects I also earned practical knowledge about transmission system planning including Power Flow Studies, Reactive power compensation studies, Reliability and Stability Analysis with respect to interconnection of distributed generation with transmission system. My work at NTDC was highly praised and I was awarded with the certificate of appreciation by the senior management.

My Personality: By fact, I am socially active person with friendly nature, a good communicator indeed who is blessed with many friends. I keep a keen view to the reality of life thus approach people with positive mind and attitude and always prove to be helpful with honest efforts and true dedication. Besides that I always feel very joyous and fortunate to meet and greet people belonging to different backgrounds and cultures. As such meetings are always important

because they prove to be beneficial in future also it makes things easy to cope whether one works or studies in his own country or outside the country.

Study Plan in China:I would like to apply for the Master's Degree in Electrical Power system and its automation in China because from my current industrial job experience,past internship and my final year project I come to know the vast practical applications of the automation engineering, this caught my attention and created a thirst of knowledge in me to study my chosen course. My motto is to work in an international field related to Electrical Engineering. Therefore, I would like to gain deeper theoretical and practical knowledge in starting and managing most innovative projects. During my studies, with great hidden abilities in myself I will try to come up with the best of everything; to accompany the professors and university colleagues in carrying out research and exploring for immense exciting industrial mysteries in the field of power system Automation. After completion of my master's studies I hope to be able to take part in maximizing my country's research technology in such fields to benefit its economy and enhance the living standards of my compatriots.I believe that this Masters Program will provide me with the chance to get toknow with Electrical systems and affiliates me dedicatedly to the industries,which are living examples of the art of Electrical and automation engineering.I hope that I can gain more experience in dealing with situations, peoples,systems and demands which will be of a great help in my future career.

Reasons to study in China: Now the question arises, "Why China?" Reading the books, watching the news, analyzing and observing the people of China, I am really impressed by the way these individuals have proved themselves to be dedicated to their work and with true efforts they have set China as a successful example for other third world or developed countries. The fast-growing economy, technological advancement and the global ranking education institutes of China with high reputation makes a great aspiration to the students and professionals for the better career perspectives. Thus such kind of positivity has boosted my confidence further and I am highly satisfied with the decision I have taken. Moreover,China's diverse cultural norms and values, the famous gentle hospitality of its people and Pakistan-China all weather friendly relations since past to promote bilateral trade , acceptance and peace to both sides in great clarity make me feel China as my second homeland; also my family fully supports my choice forChina being my preference for graduate studies. All these reasons put together make China an ideal place for me to do my Masters degree.Concluding it, with high hopes I believe this application will receive your favourable consideration and I will be happy to provide any additional information you may need. I look forward to receiving your reply.

Regards,