

Statement of research interest

In my junior high school days, I used to read a lot of books, most of which were fictional. While studying science subjects in college I felt that I have an attraction to physics much more than biology. People around me asked about my career goal now and then so that I had to think about it. I looked into myself to understand myself more than anyone and got that I want to serve mankind as an Engineer by making a machine that can help a doctor to save people. However, I'm also interested to work with the sustainable power sectors for the betterment of my country as my countryman has to face load shedding now and then.

Therefore, after completing my senior high school when I was offered admission in any department of three renowned universities for the undergrad program, I chose Nuclear Engineering as my major since this subject puts emphasis on the next generation of power development technology, and this major is an interdisciplinary field where essential is the knowledge of Mathematics, Physics, and computation which I have interests into.

During my undergrad days, I became highly research-interested when I tried to do an experimental lab in the Electronics field which reflexes good results in my submitted Undergrad transcript. I got interested in Analog and Mixed-Signal Circuits while studying electronics courses. By studying day by day I understand there a lot of things to do with Electronics with the nuclear power plant and I want to be a part of it. Though my Thesis work was about safety analysis from gamma radiation exposure rate my ambition about Control Systems & Electrical Technology development doesn't change.

The department has multiple research areas, working on which will certainly help me enter the world of academia, getting access to which is my first career choice. However, I will regard myself fortunate enough if I will be given the opportunity to work in any national Electrical laboratory. Yet, here, I am not discarding my eagerness to work in any electrical research facility situated in my home country. I really think this department will be the best option for me to receive higher education. I am pretty sure that I will match all the credentials, and be able to maintain high standards. The befitting tracks of study, the enormously distinguished faculty members, the research facilities, and the academic courses have motivated me to pursue my graduate program in this department and made this university a prime destination for my higher education.

Thank you for considering my application. I look forward to hearing your response.

Yours Sincerely,
Debasish Roy