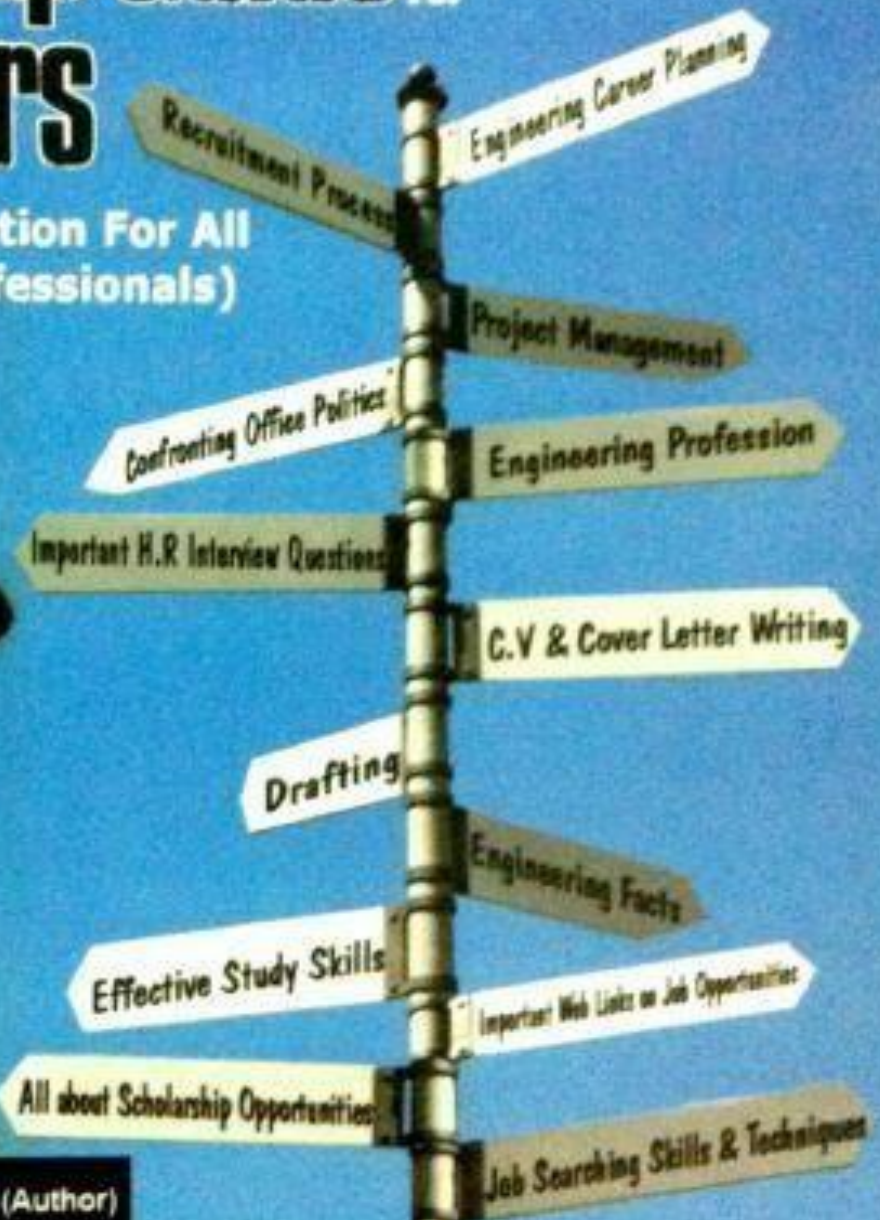


# Career Roadmap Guide for Engineers

(A One Stop Solution For All  
Engineering Professionals)



Engr. Junaid Shaikh (Author)

Dr. B. S. Chowdhry (Editor)

## STATEMENT OF PURPOSE

### (For Masters in Electrical/Electronic Engineering)

I would especially like to pursue a Ph.D. degree in electrical engineering in the Department of Electrical Engineering at enter name of your intended university **[1]** because of the innovative research being undertaken by faculty members, which is closely related to my background and long-term career interest. I am very much looking forward to conducting research on the theory, design, and fabrication of new and advanced electronic devices.

I had completed my B.E. degree in Electrical Engineering from the enter name of university you graduated from with month & year of passing. I have been very devoted to the study of digital system fundamentals, transmission lines and wave propagation, analog circuits, signals and systems, elect r o m a g n e t i s m, applied communications systems, and semiconductor device physics.

I have been employed since last mention experience from the date of your joining with mention name of organization/company you are currently working in mention name of city, country. I have been involved with testing and troubleshooting various analog circuit boards and setting up and testing equipment and procedures to test circuits for high power motor systems. I also work in transformer design and troubleshooting. I also had the privilege of working for the "**X**" Company through an internship with the company from enter duration. I customized software using "C-language" to allow for remote FPGA/PLD programming via embedded device, implemented a GUI tool for interfacing to embedded device and developed web interface with CGI for remote FPGA/PLD programming via embedded device. I am experienced in PHP, C/C++, JAVA, MATLAB, Quatre's Tools, Cadence, Mentor Graphics, and ADS. I am also experienced in electronic testing equipment, soldering, and network analyzers.

I am a Member of the IEEE Student Chapter and I am an experienced tutor in Physics and Math. I am also the recipient of the "Y" Scholarship. As a result of my Pakistani ethnicity and language skill, I look forward to contributing to the diversity of the post-graduation experience that I will attend and, over the long term, helping to stimulate ties between Pakistani and American initiatives in Electrical Engineering.

My long-term goal is to do research in academia or private industry. I would especially like to contribute to advancements in micro-electronic devices. I am most impressed by the dramatic reductions in cost and increases in computing power that have been attained over the last two decades and I look forward to being a part of this rapidly advancing field, especially downscaling transistors, investigating new materials like compound semiconductors, and microlithography.

Last but not least, I want to thank you for considering my application.