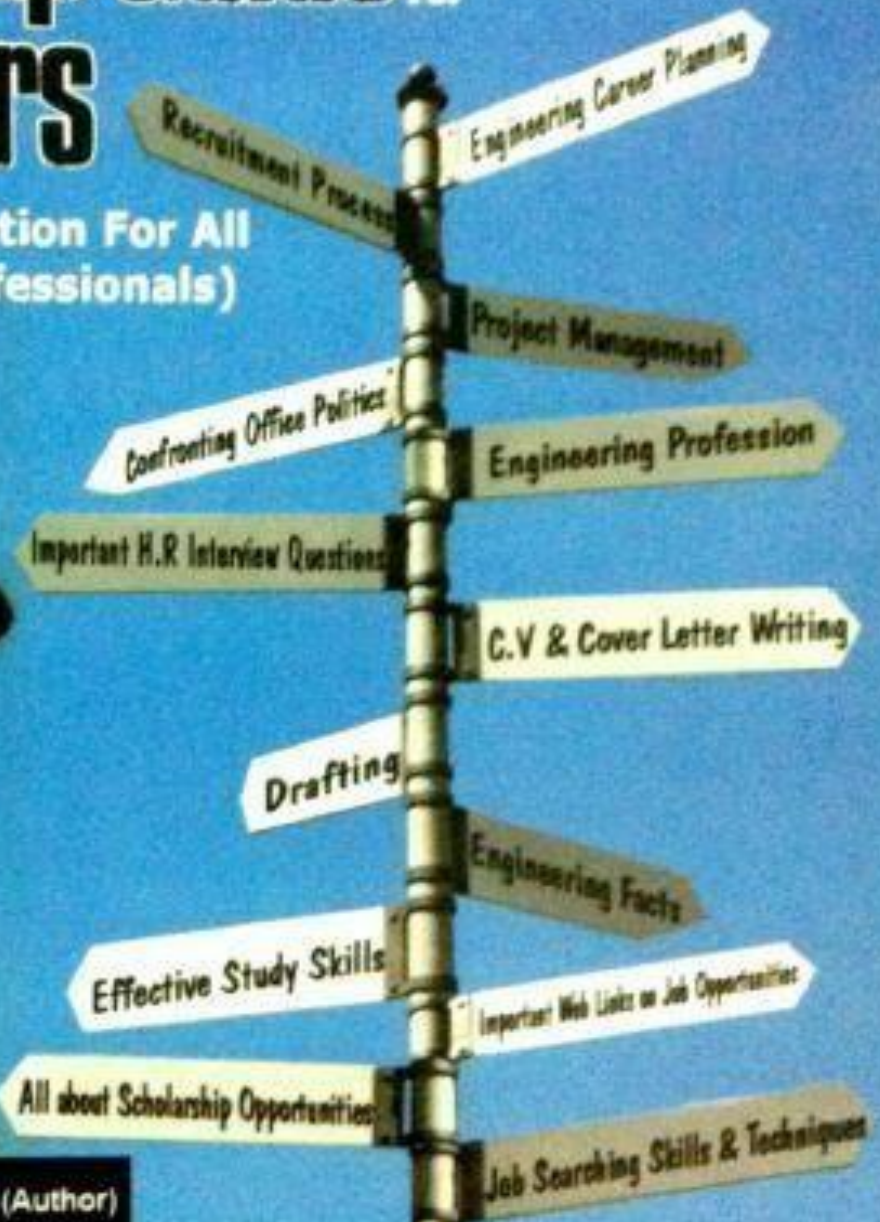


Career Roadmap Guide for Engineers

(A One Stop Solution For All Engineering Professionals)



Engr. Junaid Shaikh (Author)

Dr. B. S. Chowdhry (Editor)

STATEMENT OF PURPOSE

(For Masters in Chemical /Automobile/Mechanical Engineering)

My interest in Chemical Engineering dates from my early childhood. I remember struggling to understand the mechanical and chemical function of the automobile. Since then my life has been characterized by a constant quest to better understand the constituents of fuel and the conversion processes of energy.

I want very much to become a student in the Department of Chemical Engineering at **enter the name of your intended university [1]** because of the high quality and direction of the Chemical Engineering Department. I am most impressed by the program's strength in the fields of fluid mechanics and transport phenomena along with research efforts taking place in fundamental, computational, and experimental studies of turbulent flows, especially high-speed and high temperature multiphase flow phenomena. I look forward to developing state-of-the-art research skill in thermo-fluid science and safety; reaction engineering, catalysis, and surface science; biochemical engineering; polymers; fluid mechanics and transport. I am currently finishing my B.E. in **chemical/mechanical** at **enter name of university you are currently in** and fulfilling their requirements is providing me with what I see as an excellent foundation for graduate study - steering me where I need to go through mastery of calculus series, statistics, and physics with calculus.

I have also gained professional experience by working as a research associate at **enter name of organization/company**, as a math tutor at the **enter name of university** learning center, and an assistant at **enter name of computer center**. All of these experiences have combined to prepare me for graduate study on intellectual and professional levels.

I am especially interested in fuel, plastics, and the synthesis of nano-materials such as carbon nano-tubes. My experience with bacteria has sparked my interest in this area. Some of the research opportunities that I am interested in are in the area of engineering of integrated Microsystems with some combination of chemical, mechanical, magnetic, electrical, and/or optical functionalities. I would also love to participate in research in the fields of Nano-technology and bio-technology. As a Chemical Engineer, I would like to work towards the development of new methods of fuel consumption and alternative sources of fuel. I strive to become a mentor and role model for the rest of the young members of my family and **[1]** can help me achieve this dream. I want to thank you for considering my application.