

Statement of Purpose

Today I avail this opportunity to present before you a committed, diligent and resolute student striving to pursue a Master's program in Electronics Engineering. I believe in working hard and unflinchingly to achieve my aim irrespective of the obstacles that come in life. This unshakable faith in my abilities, a passion to work hard has made me unwavering in my approach and provided me the boost to my morale. I strive to work for the best in my chosen field to the best of my potential.

My encouraging and supportive parents have always believed in this maxim and have stressed on a holistic approach to education. So I have been fortunate that I have been able to realize my educational dreams to a large extent in my family. Fully motivated and engrossed in their domain of expertise, my parents provided me an academic environment in the family. Ever since my childhood, I was fascinated by the world of electronics and computers. I have always strived for excellence, and this quest has now inspired me to pursue an MS in Electronics Engineering from your university. In the long run I wish to be a successful professional in the field of VLSI Design. As a student of Electronics & Communication Engineering, I took deep interest in subjects like Analog and Digital electronic circuits, Microprocessors & Micro-controllers, and IC Design. My natural liking for electronic circuits and the inspiration provided by various technical articles and papers led me to take up a course on VLSI Design, Verilog HDL and System Verilog coding at DKOP Labs, Noida. It boosted my interests and as a result, I chose to do my project work on "Microcontroller based mobile operated robot" using Prog-studio tool and I have successfully implemented it along with my counterparts. I always believe in 'Learning by doing' which has always interested me in understanding the practical aspects of any subject. In my pursuit of acquiring practical knowledge

I undertook Embedded Systems Training where I learned the intricacies of microprocessors, ICs, microcontrollers configuring and interconnection of other electronic devices and peripherals. I have an interest to garner knowledge of digital hardware design. The projects such as mobile operated robot using prog-studio tool that I did during my under graduation helped me bolster my practical understanding of theoretical concepts. I developed a deep penchant towards electronics and VLSI through these initiatives.

I have always been a firm believer that a strong educational background is an ideal platform for a successful career. With a strong academic background I also actively participated in various other extracurricular activities. I have given a seminar on memristors(i.e. Memory Resistors). These activities have led to the development of a multifaceted personality and have equipped me with strong interpersonal skills. Besides aiding me to function efficiently and confidently at the helm of the affairs, these extracurricular activities have given me a platform for effective time management, which I believe will prove phenomenal in building the foundation of a successful career. Besides all these I have equipped myself with proficiency on Verilog HDL, System Verilog

and Hardware Architecture, Design and RTL coding of Modules and Technical Software's such as Xilinx ISE, ModelSIM and Mentor Graphics QuestaSIM.

The Germany is the leading country in the field of technology and the academic institutions in Germany are held in high esteem worldwide. I aspire to pursue further studies in Germany because it has the most dynamic atmosphere and state-of-art facilities which will shape me to be a consummate professional. The flexibility of the curriculum will give me the broad-based education that I need to widen the bailiwick of my knowledge and skills. The diversity of the student body from across the globe will open my mind to new influences, ideas and innovative ways of problem solving. The world is becoming a global village where opportunities for work are transcending physical space. With the cyberspace connections, Indian knowledge workers are increasingly contributing to the global work force.

I am very much interested in specializing myself in the field of Integrated Electronics, focusing on VLSI Circuits and Design. After Completing the Master's Level course, I wish to devote myself to comprehensive research work, which is useful to mankind. I appreciate the amount of challenge and innovation involved in it.

I would like to teach the students that are also interested to learn Electronics and Technology. I look forward to undertaking community services. I can use my technical knowledge and expertise for teaching computer and IT skills to others. I would like to engage in various student-faculty interactions and workshops, and wholeheartedly contribute to the growth of the institution as long as I am engaged with it. I hope to receive your offer of admission for the MS in Electronics and Communication Engineering this year.