PERSONAL STATEMENT

"Time and tide wait for no man", this we all know. Hence, having done an inspiring four-year course in Electronic Engineering, I would like to put to use this knowledge to do my Masters in Science. This would give me the leading edge in technology and the practical low-down and information I require. For the past few decades' man is advancing into the unknown realms of technology and science. This advancement is to make life easy and to increase human comfort at home and at work and I would like to be an integral part of such betterment. For this, research would be of prime importance with hands on experience in real time applications accompanied by in-depth knowledge of the subject. Technology, today means power in the widest sense of the term and not merely the power of mind. And it is this power potential that has given it the status it now enjoys. While all this is generally true, since India has been a latecomer in the field of science, she has to make up an enormous leeway.

Ever since I was in school I would see my work with father a room full of electronic gizmos on the ship (he is a Radio Officer in the merchant navy) and this is what triggered my fascination for electronics and later computers. The powers they yielded always amazed me. Consequently I decided to attain my Bachelor's degree in electronic engineering as it opened up many possibilities and interesting challenges for the reason that science and technology are the roots of many interesting scientific and technical activities. During my engineering course I was introduced to the concepts of microprocessors and micro controllers and I had taken an instant liking to these subjects. At the same time I became a member of IEEE and by way of their articles learnt a lot more about microprocessors and the role they play in everyday life. It heightened my interest in topics like RISC, CISC and Parallel Processing. All this together aided my decision to specialize in Computer Engineering especially in Computer Architecture & Parallel Processors.

Since then I've covered numerous topics in microprocessors such as the Intel 8085, 8086, 80386 and their instruction sets along with peripheral devices, the ISA bus and the 8051 micro controller. With every new topic that I studied my interest in this field grew (exponentially). Also my electives for the final semester are Microcomputer System Design and Digital Signal Processing. In Microcomputer System Design I shall learn about the Pentium Processor and the PCI bus. Moreover a conceptual view of Microsoft Windows NT, Windows NT models-client server is part of the curriculum.

Currently I'm working on my final year project "Automated Teller Machine" along with 3 other project members. We will be constructing a complete functional model using the microprocessor knowledge that we've gained along with some electronics know-how. At the core we have the 8086 microprocessor, which will be programmed using assembly language. In addition we have designed an optical reader, the printer interface and the all important cash dispenser. Working on this project has given me immense practical knowledge and helped me visualize and design circuits with the least possible hardware and expenditure. It has helped me realize that everything we study in theory might not be that easy to actualize and implement in practice. It has been a great experience and one that I would like to undertake in the future as well.

Microprocessors and controllers entered the industry's lexicon only recently, yet in the short interval since, many different types having different sizes and processing speeds have come up. They have made the world, in its physical dimensions, a small place, and established the means by which people in remote parts of the earth can communicate with each other. With the seemingly unstoppable expansion of the microprocessor domain, the writing is now on the wall: in a few years microprocessors will drive just about everything from PCs to massive parallel systems to household appliances. My interest in this field to some extent, is because even though the microprocessor industry seems to be generally well off, it has never been able to leave a good thing alone. So the future looks to be full of changes, changes which I would like to be part of.

India is one of the few countries in the world whose tradition for scientific investigation is very ancient. The need today is to revive her ancient spirit and organized scientific research on modern lines so that the benefits of knowledge in technology can be applied to the well being of the common man. If the country is to catch up with the rest of the world the scientific attitude must replace her traditional mood of thought and action. India's needs of technical personnel are not only quantitative but qualitative also. To help her achieve these goals and to provide her with a quality engineer, I would like to study further and learn the latest in computer technologies. This would all be fulfilled by a degree course in the United States of America.

You might ask as to why a degree from the United States of America only. Since 1994 computers have been outperforming automobiles in terms of units sold annually in the U.S.A. All in all computers contributed nearly 10% of the United States of America GDP. The United States of America is way ahead of any other nation in computer technology, manufacture and sales and would thus provide me with the best infrastructure and know how currently available. Besides, it is a country where science and technology is a way to achieve social progress and where improving human life is very important. All these factors coupled together make the United States of America an ideal place to pursue my further studies.

I have no doubt that your University is 'the' appropriate one for me, since it provides a unique mix of educational advantages. It is one of the most dynamic universities providing personal attention and extensive academic resources along with superior education in the field of Computer Engineering with the help of a capacious course. Here, I will receive an education that gives me both, the technical skills and the intellectual discipline to become a leader in industry. It is a University where research is an integral part of the department and the entire faculty is highly qualified and friendly. This I say from my personal experience while interacting with them through emails. It is a meeting ground of various social lives and cultural ideas. In all, it is a comprehensive university that furnishes an education that will serve me well in my career and prepare me for a lifetime of learning. This will ultimately help me provide vital contributions to society and work in a way to expedite the advancement and betterment of humanity as a whole.

I would be an ideal candidate for your college since I have been consistently performing well in my Bachelors course procuring 68% in the sixth semester that helped me secure the seventh rank in college. However, I am of the opinion that theoretical work alone is of little use unless it is accompanied by practical knowledge. I believe that I would be a suitable applicant for Research work in the university since I've always been inclined towards practical tasks and the everlasting quest to learn more. "Knowledge is power", says Bacon. "A wise man is strong and a man of knowledge increased strength". Knowledge is all-powerful and love of knowledge is a pre -requisite for any success in life. If education means merely book knowledge or the passing of periodical examinations, then I am afraid I feel enthusiastic about it. Education should be a medium for the unfolding of ones inborn faculties, enabling him to use his mind, eyes, ears, and hands, as they should be used. This is the kind of education I would want, and one that I know your university will equip me with. There is no greater pleasure than that obtained by teaching. I would make a worthy teacher due to my in-depth knowledge of various subjects and incessant deliberating and conversing skills. It would be a great pleasure and honor for me if given a chance to ensue my graduate studies at your highly esteemed university and if given an opportunity to teach or do research work would not fall short of your expectations. I hope that you will find in me a deserving and creditable student for your renowned University.