Since childhood days I have been fascinated by the things around me and these objects of fascination changed as I grew older. This attraction towards different things made me to develop an attitude of exploring things around me. A fascination for Science & Technology and keen interest in the ever-growing world of technology motivated me to take up engineering. I choose to major in Electronics Engineering with an intense urge to delve into the challenging field. During my undergraduate program I learned various fundamentals of Electrical & Electronics Engineering which together with practical course work reinforced my interest towards Electrical and Electronics components. Due to the keen interest in electronics components and circuit designing I would like to pursue my graduation in electrical engineering with an emphasis on **Electronics and mixed - signal circuit design**. Moreover it would be a logical step to major in the field of electronics design after completing the undergraduate studies in Electronics Engineering

My Bachelor's degree in engineering in Electronics Engineering was the journey which I enjoyed the most, in which I liked almost every subject. But the subjects I liked specially were Digital Logic Design (8/10), Basic Electronics (9/10), Advance Electronics (9/10), Power Electronics (9/10), Embedded Systems (8/10), Integrated Circuits & Applications (8/10) and VLSI Technology & Design (7/10). My Final year project concentrated on developing Spy/Video Surveillance Robot using PIC Controller PIC18F4550. Our aim in building this project is to create a wireless controlled robotic vehicle which can be operated through a range of 100 meters using 433 MHz RF transmitter and receiver. The vehicle is equipped with a wireless camera which can transmit live pictures and videos remotely. This unit is helpful for surveillance of an area in defense grounds for enemy, spying purpose where the human reach is not recommended or avoided.

During my undergraduate studies I also took internship at Bharat Sanchar Nigam Limited where I learned the basics of PCM principles, Multiplexing of Telecommunication Signals, Fiber – Optic Communication Technology & Mobile Communications. During my final year I joined Resonant Technolabs Pvt. Ltd as a PIC Controller programming Trainee where I learned PIC Controller, Embedded C Programming, Matlab and Assembly Language Programming. For the past one year I have been working as Technical Cum Sales Engineer at Tirupati Sales Corporation, my responsibilities here includes providing technical support for the company. This short stint has given me invaluable practical experience. It has given me the confidence to pursue a master’s degree and also kindled a desire to do research.

American education with inputs from associated industries provides expansion of faculties of the mind. With variety of courses and comprehensive set of electives your course structure is very appealing. I always wanted to be a part of an institution like yours, which has faculty comprising of eminent scholars, NAI Fellows, NAE Members, IEEE Fellows. In fact, one of the most specific reasons I want to study at your university is the presence of highly skilled and experienced faculties. It would be a great honor studying the subjects like Analog Integrated Circuits, Mixed Signal Circuit Design, Digital System & Circuits, VLSI Design, Fundamental of Solid State Circuit, Analog Design Test Techniques, etc which are the advance versions of the subjects I enjoyed the most during my undergraduate course from your expert faculties like Dr. Bertan Bakkaloglu, Dr. Chaitali Chakrabarti, Dr. David Allee, Dr Ying – Cheng Lai, Dr. Sayfe Kiaei and many others. Also I would be extremely grateful to do research under the guidance of these great brains.

Every time I opened my computer’s CPU I wondered how these small component’s works and how these devices which were once of the size of rooms have turned into such a small counterparts. My research interests are imbedded deep within circuit design. As an electronics engineering student, I was fascinated with learning of all aspects of circuitry. From the physics behind individual circuit components such as inductors and capacitors to the innumerable applications of circuits through their programming I now hope to focus on understanding the nature of circuit design and their applications.

After attaining a Master’s in EE, I would like to work in electronics industry. I would love to work on projects directly involved in inventing ground breaking technologies, designing new components, fabricating new circuit designs and creating a strong impact on the industry by strong determination and hard work. Your university with its strong foundation, excellent infrastructure, adequate facilities of labs and libraries, collaboration with industry to boost solar energy technology and state of the art computer facilities will enable me to enhance my skills. Thus I will be able to realize my professional goals.

I look at getting admission into your institute, as a major step forward and a personal landmark achievement. I am sure with persistence efforts, I shall be able to develop my engineering skills to the standards set by your institute and be a worthy alumnus. Moreover with continuous efforts and undying spirits I will do all in my power to add value to your university. Consequently with a good background knowledge in electronics components, circuits and networks and integrated circuits it will be easy for me to grasp the concepts of this advance level course.

Thank you for taking time to read my statement and giving me the opportunity to express myself.