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 chose 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 the practical course work reinforced my interest towards Electrical and Electronics components.

My love for computers and its hardware began when I was in high school. My friends and I enjoyed working with computer hardware. My elder brother is an Electronics & Communication Engineer. I learned many things from him especially about the microprocessors. I always read about latest cutting edge technology and get really fascinated. This interest lured me to take Electronics Engineering as my major field of study. My good academic record and compelling score in the state level entrance exam helped me in getting admission in to Bhagwan Mahavir College of Engineering & Technology, Surat, Gujarat, India.

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.

I was never in favor of mugging up any concept and always aimed to understand the concepts thoroughly. This is due to the seminars which were generally given more emphasis in my college. So during my course I actively took part in many quiz competition and seminars and I even won at paper presentation competition “Technocrat 2010” on the eve of Engineer’s Day at my college. My schedule at engineering college was filled with intense study and focused work for variety of technical projects. I was active on many other fronts too. I have also been a part of the Electrical and Electronics Students Association (EESA) of my college. As an active member I was involved in organizing the EESA inaugural as well as EESA week which consisted of seminars, presentations and various quiz competitions. I was also an active member of the team responsible for organizing “SPANDAN”, our college festival during the second year of my engineering degree

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 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 as during my tenure here I came in contact with the technical engineers and professionals from the companies like Siemens, ABB, Philips, Havells, Epcos and many more. It has given me the confidence to pursue a master’s degree and also kindled a desire to do research.

I wish to earn an MS degree, as it would provide an opportunity to extend my interest and knowledge in Embedded Systems to new heights. I always wanted to be a part of an institution like yours, which has faculty comprising of eminent scholars of international repute and provides a stimulating education environment. Your university with its strong foundation, excellent infrastructure, adequate facilities of labs and libraries 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 am confident that your University is the right place where I could see fruition of my budding ambitions. 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. It will provide me a good opportunity to be part of this global village culture and work with students from different nations. I will be grateful if I get financial assistance/scholarship/teaching assistantship.

Thank you for giving me the opportunity to express myself.

With Regards,

Ibrahim Rupawala