The need for Masters was rightly understood by me when I got very much interested in Electronics and after getting a feel of the advances in the Technology and the evolution of the automated world. To know just the syllabus is what everyone does, but I wanted to know more, more that will take my thinking to another height that I would be able to contribute to the growing Technology. Knowing more than the basics can only be done by further education i.e. Masters in Electrical Engineering with specialization in Digital Signal Processing which happens to be my area of interest.

I completed my schooling in Sudarshan Vidya Mandir, Bangalore by securing distinction with 94.2% in my 10th. Later, as I was very much keen and interested in continuing in the field of science and technology, I joined Christ Junior College for a Pre-University degree in PCME (Physics, Chemistry, Mathematics and Electronics). My enthusiasm and willingness to know more on Electronics was evident even since my 10th and Pre-University. I have done various hobby projects like answering machine for telephones, Smoke detector, etc. during my Pre University just because of my sole interest in acquiring a feel of the real electronic components even if they were not a part of the prescribed curriculum at Pre-University level.

As I went on advancing in the field of Electronics, my eagerness to study more on the field made me go on to pursue Bachelor of Engineering in Electronics and Communication in BNMIT (Affiliated to VTU Belgaum, Karnataka).

I am presently in my final year of B.E and have attained First Class with Distinctions in all my 6 semesters with a total aggregate of 84.95% till date. Mathematics has always been my strong forte. Right from my school days I have excelled in math by scoring a 100 in 10th and having an average of 94.5 in the first 4 semesters of my B.E. with 100% in math in the 3rd and 4th semesters. Another area of engineering which appeals to me is programming. I have always had a strong liking towards programming, be it C programming, Programming microcontrollers/microprocessors or programming DSPs. In my engineering course, I have learnt C programming, programming of 8051 (microcontroller), 8086 (microprocessor) and TMS320C54xx (DSP). Programming and electronics are the main requirements of an embedded system.

Thus I also developed an interest in embedded systems and an enthusiasm to know more about its applications. Two of my friends who hold interest in the same field and me joined hands in a couple of projects on embedded systems. First one is a microcontroller based Home Security System. This is a module which grants access only to authorized people to enter a restricted area. We have presented a paper on this at National Level Paper presentation and Project exhibition for UG/PG Students of Electrical Science branches (NLPPES – 10) and also have credit for this paper to be published in the National Conference on Advanced Techniques in Electrical Engineering (NCATEE – 10). The second project is based on robotics. A “Line Follower” which is a robot which follows a line on a background of contrasting colors. We have participated in various technical intercollegiate fests in competitions involving robotics.

Digital Signal Processing as a concept has appealed to me a lot since I have known about this subject and I have been engrossed in it, which increases my anxiety to know more about it and concepts related to it. We have lately done a project on “Artificial Bandwidth Extension of Narrowband Speech Using Gaussian Mixture Model” under the guidance of an industrialist Mr. Murali Mohan D, Software Architect, NXP Semiconductors, Bangalore. We also have a paper on this which has been selected in the International Conference on Communication and Signal Processing (ICCSP – 2010) which is to be held at NIT, Calicut.

As this field of Digital Signal processing has fascinated me, I wish to pursue my final semester project work which is a part of the curriculum of Engineering in the field of Signal Processing. This is one field which has stood out for me when I was in search of an idea for a good project for my final semester course of B.E.

As my interest lies in DSP and my eagerness to learn more on this, I wish to pursue my masters in Digital Signal Processing and I couldn’t find a better university than the University of \_\_\_\_\_\_\_\_\_ for the same where the research on this topic is remarkable. United States of America is a country where the education is given top priority with providing the hands-on experience and amount of practical knowledge of students graduating from American universities is impeccable. This is the main reason for my interest in pursuing my Masters in the United States of America and University of \_\_\_\_\_\_\_\_\_ in particular. The research works in progress on topics like “**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**along with the infrastructure in terms of laboratories and research centers like **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**" is a dream setting for any budding professional.

Apart from academics, I have also undergone soft skills training by Campus Connect (An Infosys Industry-Academia partnership Program). I have completed technical training by Smart Training Resources, Chennai and Placement training by Loratis.

I have been a part of the BNM Friends of Nature Club, a club consisting of students from BNM Educational Institutions who contribute their part towards the society and the nature. Organizing rallies campaigning about saving and protecting the nature, going on field trips promoting the importance of nature, etc. have been the main motif of this club. I have also participated in various intercollegiate fests and intra-collegiate fests of BNMIT i.e. the KALABHAGEERATHI and TATVA (technical fest) and have excelled in various competitions.

I have decided to do a project on signal processing for my final semester curriculum. I have already been assigned a guide and will be commencing the project from Feb-2011. As my interest in DSP, I hope that this project work will provide added knowledge about the topic.

Having made my goals and aspirations lucid, I hope you appreciate that a graduate study in your university will be the most logical extension of my academic pursuit. It would be a stepping-stone to higher echelons in academic researches that I intend to pursue. I aver that my talent will be utilized to its optimal best if I have an opportunity to be a part of the intellectually stimulating environment of your university. I shall persistently strive to do your institution proud.