STATEMENT OF PURPOSE

I am (Your Name), and I feel proud to be introduced as a (___). I belong to an (___) family background as my parents and elders all are (___), which always made me curious about this field. Hence when I had the chance to choose my academic journey, I choose (___) as my specialization as I wanted to explore more in this field where two diverse streams i.e. (___) is combined with (___).

My desire to be a part of the (___) sector led me to pursue my Diploma in (___) immediately after my high school from (School Name) which I completed with First class distinction (% aggregate) and later Completed Bachelors of (___) with specialization in (___) with
( ) CGPA. After my graduation to explore more and implement my knowledge I started working as intern in (Company Name), Kalyan, Mumbai. Later I worked full-time as a (___) with (Company Name) , where I got hands on experience. To follow my interest in the field of Application of (___) Application I have decided to pursue my Masters' degree in (___).

During the final year of my diploma program, I worked on a project where the goal was to help blind people to reach to their destination without anyone's help. As the name suggests "Talking premises", the IR Transmitters were placed on the door and the blind person walked through by holding IR receivers and wearing Headphones. As she/he started walking with the IR receiver, it got connected with the nearest transmitter and the name of that premises was audible to the blind person, which helped she/he to reach their desired location. The experience boosted my understanding of the Embedded Systems and improved my programming skills.

While pursuing my graduate studies, during the third year, I worked on a mini-project. This was to measure electro dermal activity (EDA) using an Arduino board and Processing IDE (for visualizing data). EDA refers to changes in sweat gland activities that are reflective of the intensity of our emotional state. By using the Arduino processing software a graph can be observed, visualizing current Electro Dermal Activity.

In my final year of graduation, I decided to develop a "Detection of Micro-Calcification in Digital Mammogram" by virtue of which we aimed to reduce false–negative mammogram results due to misinterpretation of mammograms and to reduce invasive methods for testing as biopsy. The project involved designing of a Computer Aided Diagnosis/Detection (CAD) systems; to improve the detection rate of abnormalities in mammogram images to a great extent for this we used MATLAB for computing enhanced output. This project further awakened the passion in me to have in depth knowledge in image processing and its application.

During my degree program courses related to Rehabilitation, Application of (___), and Image processing led to strengthening of my interest in these aspects of (___) technologies which I now want to learn further in detail during my Master's program. My current experience of working as a

(___) has honed my practical machine skills, which I believe will help me not just during my Master's studies but also in my future career.

After the completion of my Master's program, I intend to preferably work with a Rehabilitation Engineering based company on the, research and development of Biomaterial implants and to design biomechanical structures. I understand that the Master's program requires hard work, dedication and the zeal to excel, and I can say that I am ready to meet the challenge head on. I look forward to being part of the rigorous and competitive academic environment offered at your program. Pursuing (Program Name) from The (University Name) which is one of the esteemed University in the world will surely help me to excel not just technically but also to evolve as a better person overall.