

STATEMENT OF PURPOSE

Dilton Thomas

“Live as if you were to die tomorrow. Learn as if you were to live forever.”

— Mahatma Gandhi

What I find most appealing about the biomedical field is the boundless possibility of trying out and the instant knowledge of the outcome that stimulates one for further analysis of a rationale in question. This is the one sphere, which is making the 'impossible' of yesterday, a reality of today and going beyond to create a new tomorrow. I choose to major in Electronics and Biomedical Engineering with an intense urge to delve into the challenging field. My ambition is to focus on a career aimed at contributing to research and development in the arena of Power Engineering. I intend to pursue an MS degree in order to reach that goal.

Throughout my ten years of school life and two years of high school study, I have maintained a consistent and good academic record and was always amongst the top five of my class. Coming to extra-curricular activities, I was the head sports captain for boys and also member of various associations. Aspiring for the best undergraduate course that all good science students do and also influenced by the fact that I come from a family of engineers and scientists-I appeared for the KEAM (Kerala Engineering Agricultural Medical Entrance Test) and opted for Electronics and Biomedical Engineering at Government Model Engineering College, affiliated to CUSAT, Ernakulam in Kerala.

During my undergraduate years I could learn the fundamentals in Biosensors and Transducers, Biomechanics, Microprocessor based system design, BioInstrumentation, Control system engineering, Medical imaging techniques. I observed on various occasions, especially in Medical imaging techniques, which is a vast subject, that there existed a wide enough rift between learning and practical implementation. While the undergraduate courses enable a student to grasp the fundamentals involved in a particular discipline of engineering, they do not present the opportunity to learn the ropes with new technologies that are current within the industry. Specialization becomes a necessity to understand new technologies and to improve upon the existing ones. It is to achieve this sophistication that I set out to pursue my post-graduate (M.S.) studies in Bio-Medical Engineering

The sharing of ideas and new findings has always been a part of my undergraduate life. Presentations and seminars were a perfect opportunity for me to explore beyond the syllabus and were instrumental in giving me a competitive edge over my peers. I relish a chance to indulge my creative side and gaining a deeper understanding of my work in process of presentations. In third year of my under-graduation I got a

chance to present a seminar on the topic Ultrasound system for tumour detection. Also in my third year, I have done a mini project on ECG telemetry using RF and main project on wireless sleep apnea detection system in final year. These short stints have 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. The undergraduate course limitations on real applications and with the advice of widely respected teachers at the college has given me the motivation to pursue a career in Bio-medical Engineering.

Quest for knowledge needs considerable persistence and an unquenchable desire to learn. Whatever I have achieved till now can be attributed to my diligence and perseverance, which I have learned from my close knit family and culture. With the same indefatigable spirit, I am ready to utilize and direct all my physical and mental abilities to achieve the same in my future studies and research work. I believe the field of engineering offered so immense a potential that given me an opportunity to opt for Bio-Medical Engineering, I would be interested to work in the area of bio-medical instrumentation which deals with its development. I bring along a strong grasp of fundamentals, an aptitude for teaching and team work, a zest for challenges and an enthusiastic desire to learn all I can. In addition I would like to take with me a network of strong and lasting relationships that I maintain with my teachers and fellow students. I hope that my qualifications and background are found suitable for MS in Bio-Medical Engineering at UK University

For my dreams to come true I chose UK because this is the hub of new developments and as for education, the best option that any student can have. Most of the major developments that we come across today are linked to this country. Universities in the UK do not produce a jack of all fields but master the specified area of interest of the student. I strongly conceive that Masters in the England will also assist me to focus on my goal and a career in a research based firm. It is strongly this reason which motivates me to take up Higher Studies in the UK as the next step towards my career objective.

Having been enlightened by many professors and several graduating seniors about the rigorous course work besides possessing state-of-the-art research facilities, I had no dilemma in choosing one of the finest University named **University of Bedfordshire** as my dream university for pursuing my graduate studies. I am sure that the university has dynamic faculty, well equipped laboratories and world renowned graduate programs would definitely help me in achieving my goals and contribute something of my own in my field of interest. . After a thorough perusal of the department website, I have come to conclusion that the guidance of your eminent faculty will provide me with ample opportunities to fulfill my desire for exploring the new and ever burgeoning avenues in the field of Biomedical Engineering. I hope that my

credentials are found worthy of admission and I look forward to an interesting graduate study at your University.

Thank you for considering my application.



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