

# **STATEMENT OF PURPOSE**

During my Schooldays, we had a unique ritual that each one of us was compelled to follow it without any excuse. The ritual was to read out famous quotes everyday in assemblies & mass gatherings at the school in the mornings. To research about famous quotes and finding the hidden meaning and applying it in life was a fascination back in time. As a result every student of my school was captivated with one or the other popular axioms. I was hooked by “Opportunities are like sunrises, if you wait too long, you miss them” – William Arthur Ward. Since then, I have seized every opportunity coming my way without waiting for the hypothetical better one.

I still remember in my high school, I was quite taken aback with Moore’s law. The law invoked me to contemplate further in the world of Electronics. As I dwelled to find the possibility of the law I was awestricken with the explanation on how the transistor doubles every two years. This simple act unleashed my desire to study & gain knowledge further in the same domain. As a result I chose to pursue my undergraduate course in Electronics & Communication. My interest in Literature, Science (electronics) & Math led me to invigorate my overall grades to shoot up dramatically.

With my stellar performance at my high school, I earned a free seat at a prestigious institution. I was also waiting to receive more admits from other premiere institutes of Bangalore, but, I wondered, “A bird in hand is better than two behind the bush”. Thus I decided to start my higher educational journey at NMIT (Nitte Meenakshi Institute of Technology). This decision to pursue my under graduation at this institution worked like a charm to bring the best out of me at different realms.

At college, in my freshman year, I was challenged with a mandatory subject test that would result me to advance my studies. I accepted the challenge to walk pass the herculean task with never giving up attitude & sheer perseverance, eventually, I excelled in the exam. The adjunct professors along with senior faculty members just did not teach the basics, but also did foster me to participate in different arenas for the holistic development. To illustrate – My first experience as a volunteer during my sophomore year in IEEE international Conference on Cloud computing for emerging markets augmented my confidence. The next year I took part in many add-on courses that were suggested to me in specific to bolster my interest. All these flavors worked in my favor when I secured my internship at Robert Bosch.

Interning at a German marvel I learnt great deal of things, which led me to learn and implement absolute new concepts aggressively. The Junior year at the college passed in no time. The education system in India mandates every student to take part in major project in the senior year. I was fortunate along with my peers to do our project at an esteemed research based organization LRDE, DRDO. We worked on designing antennas under the guidance of leading scientists that are today used in

defense applications of Indian Armed Forces. Our work attracted laudatory comments from professors, who also suggested us to publish the paper in an International journal. This as a result paved my way to first international conference as a participant held in Bangalore, India.

The senior year of my undergraduate degree was extraordinary. I was fortunate to take part in many other activities in this year. I participated in National level Indian Solar vehicle championship 2018; we also won the award for the best design. My interest towards social & cultural acts encouraged me to be an active member in organizing committee for techno cultural fests. I also did many courses to bridge the gap for pursuing my masters & PhD eventually. I knew course like MEMS would fuel my quest in Nano Technology; In fact it gave me deeper insights not only on electronics but also Physics, Chemistry, & Material Sciences in equal symmetry.

At this juncture of life, I earnestly desire to widen the horizons of my knowledge in Nano technology. And, what better place can I expect to quench my thirst? United States of America has spearheaded the field of Nano Technology. It has always been a land to introduce new, innovative & disruptive technologies in all the domains. My role model – ‘my cousin’ who holds a doctorate in Computer Science and has been working in a top class research based organization at USA had elucidated the importance of studying in a reputed university.

My findings & the reviews from the alumnus of University of California, Riverside about the research conducted by Balandin Group headed by Dr. Alexander Balandin at the university is in line with my keen interest. The cutting edge technology at the Nano Device Laboratory (NDL) & Phonon optimized Engineered materials (POEM) center labs are of my peculiar interests. Things have never been easy; I have endured many difficulties in my way and worked really hard to reach this position in my life to be able to think to make my dreams come true. I would be honored if my application is accepted for the Masters in Electronics specializing in Nano technology with financial aid at your revered university.

Finally, I'd like to thank the entire admission committee to give me an opportunity to express myself through this letter. I'd also like to extend my gratitude to the supporting panel for helping me reach out to the admission committee.