

STATEMENT OF PURPOSE

Graduate Admissions Committee:

I'm Syed Mohammad Althaf, Since childhood I have been interested in science and technology, which is still an important part of my life, and I have always believed that the use and application of a subject can lead to excellent and acquired wisdom. I would like to learn more about this topic and explore the field of mechanical advanced applications such as Robotics and Mechatronics. As to this interest I adopted Mechanical Engineering in my undergraduate studies. My decision was a huge change in my life as I started to like and explore real-world problems.

I hail from Tenali, a beautiful village in Andhra Pradesh, India. I am currently pursuing my BTech in Mechanical Engineering and I would like to pursue my higher studies in the **Robotics** field. I came from a nuclear family comprising with my father, mother, and brother. As far as I am concerned, I always been a good student and also my academic years were filled with decent scores. I scored a 9.7 CGPA in the 10th standard, 9.40 CGPA i.e, (905/1000) in the 12th standard, and 9.27 CGPA up to 6 semesters in the B.Tech and at present continuing my B.Tech final year which shows my perseverance and industrious nature.

I'd joined R.V.R & J.C College of Engineering for my undergraduate studies, it was a place which gave me all the necessary aid towards studies and helped me grow as a person with ethical, moral, and professional skills and learnt in detail about the concepts underlying Engineering Mechanics, Concepts of Thermodynamics, Fluid Mechanics and Hydraulic Machines, Machine Dynamics and Vibrations, Design of Machine Elements, Metrology and Measurements, Operation Management, Theory of Machines and Mechanisms, Automation in Manufacturing. This course has allowed me to gain expertise in modeling software like Auto CAD, CATIA V5 and CAM Lab (FANUC Software), MATLAB, and Ansys. I am also versatile in using various programming languages such as C, RDBMS, and Python.

When I studied these subjects, which fascinated me the most were Design

of Machine Elements, and Industrial Robotics there after I realized my area of interest. I am currently doing my major project on Automatic AGRIBOT that helps to ploughing, seeding, and watering.

As a part of extracurricular activities, I have been a member and an active participant in volunteering the intercollegiate events like seminars and workshops. That helped me to learn leadership qualities as well as the communication skills. Furthermore, I am a member of NSS club in our college.

I am here to express my sincere interest in pursuing **Robotics Engineering(M.E.)** at **University of Maryland College Park** in the United States. After numerous consideration of various options for my higher education, My academic and professional aspirations have led me to believe that the USA is the perfect place for higher education.

Providing a comprehensive curriculum, the robotics program at **UM College Park** stands out as the perfect fit for my academic interests and career aspirations. I liked the university's facilities and faculty, which are truly exceptional. The diverse range of programs and cutting-edge research opportunities offered by the United States education system, this university has captured my attention due to its commitment to innovation and critical thinking. Practical application combined with theoretical knowledge.

My short-term goal is to work, explore, do research, and gain new knowledge in the fields of robotics, and my long-term goal is to become an entrepreneur. In order to achieve my goals, I decided to pursue an MS program in Robotics Engineering. I believe this will enhance my knowledge and skills as a mechanical profession.

I am currently pursuing my undergraduate with good scores and looking forward to my graduate studies to refine my knowledge and skills in my area of interests like Robotic Applications and Automatic Machines(connected to electrical components). I also believe it will help to achieve my goal of a career as an entrepreneur.

I am particularly impressed by the course of Robotics Engineering (M.E.)

offered by UM that aligns with my career goals. The demonstrative feature of the program showcases UM's dedication to generate graduates who possess not just academic skills but also the capability to create valuable impacts in their areas of expertise.

My course will be funded by my family's savings and an educational loan. Having made my goals and aspirations lucid, I hope you appreciate that a graduate study at the **University of Maryland** will be the most logical extension of my academic pursuit. It would be a stepping-stone to higher echelons in academics that I intend to pursue. I aver that my talent will be utilized to its optimal best if I have an opportunity to be apart of the intellectually stimulating environment at the university of maryland. I shall persistently strive to make your institution proud. I promise that once given a chance, I will prove myself to be worthy of the privilege of studying here.

Thank you for your valuable time and consideration.

Waiting for your affirmative response

Yours sincerely

SYED MOHAMMAD ALTHAF