

## **STATEMENT OF PURPOSE**

The successive missions of ISRO and the Mars-Rover mission by NASA inspired me to gain profound knowledge in the field, intended to find solutions to real-life problems. In this era of innovation, being a contributor to the field of Aerospace with the desire to forge ahead in this field has motivated me to pursue graduate studies. The wide scope for research in Propulsion Systems is promising, and I aim at contributing to an evolutionary phase in propulsion.

During my Bachelor's program, I found XXX and XXX to be the most interesting subjects. However, the important subjects that made me understand Mechanical and played a vital role in strengthening my decision of pursuing higher education in Aerospace were XXX, XXX, and XXX. These subjects are core areas of the field and also form a base structure for Aerospace. I also referred to online courses from XXX which made me understand these subjects in details.

\*Insert further academic information especially related to project work\*

After the completion of my under-graduation, I always wanted to seek a job to gain industrial experience. My good grades and communication skills earned me a college placement at a multinational company, XXX, among XXX students. I was selected in the XXX department with the main responsibilities of XXX and XXX of products.

After reviewing innovative projects like reusable space plane by ISRO, Mars rover mission by NASA, and reusable orbital rockets by SpaceX, all these developed a keen interest in me to contribute to the field of Aerospace. This made me realize that I needed deeper insights and research experience in Aerospace to have a successful career in the research field. With this ultimate goal in mind, I have decided to pursue a Master's degree.

In the near future, I see myself working in the XXX department of a reputed organization namely XXX where I would get the opportunity to solve major challenges of the industry. My long-term goal is to research on XXX in order to work on XXX.

I intend to pursue an M.S. degree in XXX at The University of XXX - USA, with an emphasis on XXX. The esteemed faculty, excellent research facilities and the structure of the graduate program at the University make it a great place for graduate studies. I am interested in the courses and research of Professor XXX and Professor XXX. It would be a great experience to learn topics such as XXX from him. Professor XXX has done pioneering work in XXX. His insights on XXX would be extremely valuable. I would love to explore XXX during my studies.

Having decided that I will engage in the pursuit of a career in XXX, I fully understand the kind of dedication, perseverance and resolve that a graduate program calls for. I believe that I have the ability and motivation to successfully pursue graduate studies while contributing to the research at The University of XXX, USA, and sincerely hope to gain admission into the university.