

Statement of Purpose

With the ongoing pandemic, we have all witnessed the importance of health and medicine. Biotechnology is something that can cure the world by using the toolbox granted by the natural surroundings of the cosmos. The way humans are using their genetic material and intensive research to save millions of people is fabulous and mesmerizing. Such practices are growing day by day in parallel to the demand for healthy lifestyles and medicines. I intend to become a part of this burgeoning community to serve the souls of our planet. Therefore, I decided to pursue an M.Sc in Biotechnology from your reputed university. Nothing is more fulfilling than using your passion to improve people's lives and make a difference. Since I was a little child, the idea of a researcher who conducted tests and found a solution to a problem has been imprinted in my mind, welcoming an ambition in me to pursue a career in research and innovation.

My school life has been very grateful to me as I learned the most important things there. I discovered a fascination inside me to delve into the scientific world. I completed my higher secondary in the science stream, which gave me a range of knowledge that deals with many departments, and I have a much wider range of courses available to study further. Among those options, I chose to pursue my bachelor's in biotechnology. During my graduation, I gained in-depth knowledge about the principles of microbiology, molecular genetics, plant biotechnology, and much more. I understood that biotechnology is extensively used in numerous sectors, such as agriculture, medicine, the environment, etc. It plays a vital role in overcoming challenges to human health and the generation of genetically engineered plants. Through this course, I endeavor to manifest a stronghold over advanced knowledge of the application of various theories of chemistry and biology in sectors like engineering and medicine.

I had done an internship in the zoology department at M.S. University Vadodara, where we were working on a project. I completed a report on it which concerned administration primarily whose name was "Circadian

clock gene functioning in non-alcoholic steatohepatitis”. In this project, I have to see whether the mice are taking the food on time and maintaining the area disinfected. The main purpose of this project was to see the amount of food consumed and the amount of time taken to digest that to convert it into fat. The results were fascinating; most of the mice were seen without any fat because they were active most of the time and digested the food properly. It was the best internship as I gained real experience at the time.

All the universities in the United States are exclusively flourishing and well structured. XX University is my choice because of its friendly atmosphere and modern culture. The university is well furnished with its innovations and therapeutical facilities, providing the required research equipment and laboratories. The staff of the university advises on internships and job opportunities and guides students to land their dream jobs. Their curriculum is full of life skills, workshops, engagement modules, and practical knowledge that make students ready for a life beyond university. This university has a substantial record of excellence in the fields of technology, science, and engineering. The teachers use a very interactive and applauding teaching style, which is quite interesting. The stated features can captivate any student from any country.

I know that there are no shortcuts to success. I am enthusiastic to do hard work and earn victory. Therefore, I believe that this is an essential step in my career toward building a prosperous future. Through this program, I want to enter the rapidly growing global bioscience sector. I want to become one of those people who can meet the demand for highly experienced scientists in the domains of medicine and healthcare. I know this course obliges a lot of perseverance and diligence, and I am ready to shower all of them. I firmly believe that this course will expand my career options for a bright future. This course will make me eligible for high-profile and reputed job positions like Biomedical Engineer, Senior Biochemist, Senior Medical Scientist, Biological/Clinical Technician, Microbiologist, Process Development Scientist, Biomanufacturing Specialist, and much more. My ultimate goal is to be a member of a research team that

contributes to the development of both therapeutic and long-term pain-relieving techniques.

Through this course, I will try my best to combine knowledge of biotechnology with innovation and analytical skills to produce something that will prosper the medical industry. With my inquisitiveness, I will dig deeper into biomedical and therapeutical concepts. I have decided on this career after careful analysis and planning. I strongly believe that with huge fame for research work, contributions, and worldly distinguished faculty, your esteemed university will give me an opportunity to learn, and interact with people of the same interests. I am a firm believer that being in such an intellectually inspiring environment will furnish me with the best chances to attain intellectual gratification and sharpen my abilities. I am conscious of the pertinence that the program challenges, and with my attention and proficiency, I am optimistic about meeting the high standards of education. And I hope that you will find me a worthy student at your preeminent university.