

Sample SOP for Industrial Engineering

The entire world has become an engineering hub. Wherever I look, I find engineering in application and utilization. I can see the world thriving on various engineering developments and changes happening all around the world. As a mechanical engineering student, I loved its role in shaping the world and its path for the future. My proclivity towards industrial management kept asking me a question; am I going to follow a path that most would take after the engineering course or am I going to trail a new one? This question watered my desire to contribute as an engineer towards the changes happening in the world of industrial engineering. In addition, an inquisitive learner, I always looked to broaden my knowledge base reading relevant books on industrial engineering. This led me to become invested in such dynamic concepts, that I learned from a plethora of engineering books and online resources, as TPS, 6 Sigma and Lean Manufacturing and how these have changed the way products are built, resources are managed and demands are met with exceptional logistical efficiency. The importance of industrial engineering to improve the efficiency of operation and productivity of businesses has, as I learned through various researches and interactions with my teachers, persuaded me to pursue a focused, higher education program in the same field. The efforts to fulfill that desire led me to build a career in the subject where my passion thrives—to pursue the Master's in Industrial Engineering.

I understood that the course—with its curriculum involving such topics as resource utilization and optimization, supply chain management and optimization, production control and total quality management—will help me develop myself to be an insightful industrial engineering professional who can effortlessly utilize science, mathematics, and engineering methods to administer and manage integration and operations of complex systems that complement the growth of industries and businesses. Further, the application of these methods can be seen everywhere so explicitly. The eCommerce boom India and how industrial engineering has helped it to improve their logistic endeavors are the prime example of the application of these methods. Setting uncompromised quality benchmarks and guidelines even from the stage of material sourcing, the concepts of TQM, Lean Manufacturing and TPS enable businesses to not only commit top-notch products but also deliver on these promises keeping matchless production, manufacturing and supply chain values. It made me all the more confident that my passion will set me on the right path to render me an important cog in the manufacturing and supply processes of a business.

I have been an ardent learner even from my secondary school. I loved activities more than classroom learning. Hence, I always looked for the application of the subjects that I learned in the lives around me. This also set me to go beyond the curriculum of learning to acquire newer and broader insights in my academics. An excellent student, I have been able to secure a full-scholarship from NHRD for my Bachelor's. I secured admission to one of the best colleges in the country where the fee was extremely low and due to the scholarship, the annual tuition fee of INR 9,500 was reimbursed by the NHRD with the annual scholarship of INR 10,000.

However, I never restrained me to the frameworks of academic learning and I ventured actively into various extracurricular activities as well. I have participated in various events and competitions, and organized many. I have undergone an Entrepreneurship Campo. The camp and interactions I have had with him led me to develop better



understanding of various business and entrepreneurial concepts. Apart from that, I have also been able to learn about a wide plethora of industrial manufacturing practices from my exposures to top automobile manufacturers such as Hyundai, Irrunkatukottai and Nissan, Oragadam. During my two-week in-plant training at the Manufacturing Strategic Planning Office of Renault Nissan, I was able to also develop hands-on understanding of Kaizen and the importance of removing non-value-adding activities from the manufacturing chain. Further, I was also the winner of the 'Marketing Hub' competition at Yugna-X'15 held at National Engineering College, Kovilpatti for showcasing the best engineering product. In addition, I have also won a variety of laurels in Tech Expo'15 for the project titled 'Society Skills'; Tech Expo'16 for the project titled 'Vacuum Cooling'; the poster presentation competition in Tech expo'15 on 'Environmental Pollution'; and the paper presentation competition in Tech expo'15 on 'Social Media' and 'Sustainable Energy'.

All of these experiences have helped me shape my character and personality than I thought they could. My indulgences in team and individual capacities have helped me hone my leadership, communication and interpersonal skills. I am extremely positive that these experiences and the skills I developed during the same will always remain the greatest asset I have while conducting myself in the master's and later in my career.

As I convinced myself of the course and the path I needed to take to build a strong and gratifying career, I started to think about the place where I could pursue the same. The first choice was obviously India but it did not pan out as I expected. I was very particular to endow myself with extensive global insights and international exposure from the course. As this was missing chiefly from Indian institutes, I considered foreign countries. While the UK, the US and Australia did impress me, they proved to be outright expensive and complex despite having impeccable quality. But Canada did save me. I found the institutes in Canada to offer excellent courses in the domain I was looking to expert myself in and that they were able to almost match the quality of education all the while making the course affordable to me. That was an exceptional combination I thought impossible to find elsewhere. Further, as the country also proved to be amicable and extremely safe for international students, I finalized my decision to pursue the course from Canada.

The efforts to find the most suitable university were really overwhelming and demanding. However, as I was determined to find the most suitable university, I went ahead and visited various academic discussion forums and carried out researches from various college review-aggregator websites. During the same, I learned that the University of Windsor offered exceptional training for the students focusing on both academic and pragmatic scopes of the course. Also the location of the university was extremely apt for a student like me in Industrial Engineering due to its strategic location in Ontario which is an acclaimed and expansive industrial region. I realized that it would help me drive deeper insights in the close quarters on a myriad of world's best industrial practices. An inquisitive and experiential learner I found that quality really appealing for a graduate university. As I carried on with further research, I learned about the extensive association the university has with some of the best engineering companies in the country for internships and projects. I was also impressed with the way the university took upon various research activities in the field and made students a part of the same. I realized that the university will not only offer me impeccable global academic insights in the field but also valuable exposure to international exposure so crucial for my overall growth. As the feedbacks from former students also proved to be extremely positive and encouraging, I made the decision final.

I understand about the various financial obligations I have during the stay of course in Canada and hence, I have made the necessary arrangement to meet them all in time. My father is the one sponsoring the course and he is a retired professor from a private education institution. He has enough financial wherewithals to support my higher education, as well. All the documents pertaining to the same have been attached for your reference.

After the course is completed, I would like to return to India. Since the country is one of the fastest-growing economies of the world, there are plenty of employment opportunities for candidates like me in the field. Further, the opportunities to build a strong career is also bolstered by the fact that Indian economy is largely driven by manufacturing companies where I can contribute considerably. With the skills and domain expertise that the course will help me develop, I would certainly be able to find a befitting role as an Industrial Engineer, Industrial Engineering Specialist or Supply Chain Management Specialist, Manufacturing and Production Engineer in any of these companies in India in the short term. In the long-term, however I aspire to reach a role where I can make decisions and formulate intelligent policies that can positively influence the entire business towards better productivity, efficiency and customer satisfaction along with sturdier bottom lines.