Statement of Purpose

The constraints of the technology of our time has been hard on Industrial engineer, simply because technology has not been able to catch up with the freeform thinking of the Industrial engineer of our time. As they operate under the purview of keyboard-based and other tools, they become limited to the functions that are possible and permissible under the realm of normal tools. Although that is the case, the future holds much more for them. Having become adept in the field by combining my technical and creative knowledge, I have been exposed to the reality that someday, as software becomes smarter and smarter, computers will soon be able to compute information electively enough to allow freeform designs within the confine of physical laws and reality. Longing for the age of pure creative engineering, the future we speak of is not as out of bound as we thought it was. Hoping to be known as an excellent technical engineer, harnessing my creative ability to its fullest, I want to take up this intriguing Industrial engineering course

Growing up, I became fascinated by the nuances of technology from an early age. It was intriguing to look at a machine, and understand thoroughly, how the numerous components of the same worked together to carry out a plethora of functions. Having consistently been among the highest scorers in the classroom, I developed and explored other interests especially in Production and Manufacturing. I passed my secondary and senior secondary education with flying colours and began to search for the appropriate field that would help satiate my interest in the technical realm. Discovering the engineering domain, I decided to pursue a Bachelor of Engineering in Mechanical Engineering at Panimalar Engineering College. As I settled into this unique educational setting, I continued to focus primarily on academics, along with consistent participation in the numerous events and fests held in my institution.

Making my mark in the institution, I would be keen to learn about tools and technologies, not in the course curriculum to expand the horizon of my knowledge.

Gaining an intricate understanding of the python language, I also became involved with various design software's which would be of great use in developing industries. This subject came easily to me due to my skills in problem solving and project planning. I put these skills on display on multiple occasions and gained appreciation from my professors for the sheer detail with which I scored commendable marks, utilizing my knowledge and skills in the field. Consistently improving my skills through acquiring additional learning, I have become adept at using similar software. Productively showcasing my capabilities, I have also worked on numerous projects. In an attempt to use clean energy for a good cause, I was involved in designing and mechanizing Solar Stills that would be used to convert polluted water that was brackish or saline, into clean potable water.

Speaking of my professional journey, I have obtained significant knowledge of the field I want to enter, and have explored various domains to establish a good starting point in the course. One of my first internships was in the field of electric vehicles, and gaining a better understanding of automobiles. It helped me, from a technical and design perspective, to understand how electric motors work, and how many are needed for propulsion. I learned in detail, about the minuscule intricacies of how an EV engine operates. This helped me develop a keen eye for detail, and introduced me to various new concepts I could apply in my future. After this, I underwent an internship at Rail Kaushal Vikas Yojna, wherein I thoroughly learned the measurement of devices, especially in the area of metals. Making use of numerous tools for the measurement of metals, I also got to learn in-depth about gauges, the principles that dictate their working, and their mechanism.

With drilling and lathe machines, I gained the ability to manipulate the metals into any desirable shape, or any specific model required. This internship helped me better my precision skills and also

helped me gain new information that could be utilized in the future. Although these internships were helpful, the program that encouraged me to take up this course was a six-week internship program at Roboram Education in. The amount of information I was exposed to here, made me better while making me more invested in the working of robotics. This internship not only helped me gain a better perspective and apply it to whatever I work on, but also became the push I needed to take up this Industrial course.

A degree in UNIVERSITY of NEW HAVEN is the next logical step in my academic journey, and this has numerous reasons behind it. Primarily, it aligns perfectly with not only my professional and academic journey but also who I am as a person. The Industrial domain is inherently dynamic and demands innovation with every step it takes. The ever-challenging nature of the course, and the opportunity to learn about a multitude of tools and software, is an exciting prospect. Having persistently been interested in exploring my creative side through any avenue available, I have improved and optimized my skills through practice and dedication. Having noticeable experience in the field, I can use my unique skill set to benefit any organization I am associated with. Therefore, my short-term goal forms to be gaining as much experience in the field as I can, and become acquainted with various engineering fields to design technologies that work in synergy with the latest technologies. I would go for institutions with good CSR ratings and take positions of Production engineer. However, my long-term goal would be to integrate all of the knowledge I have gained throughout the years and build something of my own.

University of New Haven offers a Post Graduate Industrial Engineer course that looms large in my mind. This is due to the uniquely designed course curriculum of the institution. The numerous topics pertaining to Industrial concepts and its nuances are interesting. This university keeps up with the latest trends in every subject it teaches and has a brilliant faculty honing many accolades of its own. It provides a well-informed and informative perspective and makes tutoring interactive and elective. With extensive ties with the industry, the university would help me acquire jobs at an increased rate. Hoping to be accepted into the prestigious University of New Haven, I want to take up this MS course. In graduate school, I would like to learn about the development of a product and how it is being processed in greater detail.