

Attaching my SOP for your reference:

Name: Avula Manasa

Course: Construction Management, MS

### **STATEMENT OF PURPOSE**

“A dream doesn't become reality through magic; it takes sweat, determination, and hard work”

This was the theme I learned from my family, a dream and ambition are necessary, but fulfilling them is most important no matter how many and how difficult the obstacles might be. Having a constant visual insight of perseverance and determined will for accomplishment have inculcated in me a desire to be always confined to hard work and achieve perfection. The achievements in the field of infrastructure have always fascinated me and made me indulge in science in my higher secondary school and undergraduate studies.

As for my academic achievements I have completed my secondary and higher secondary education with decent grades. Moving ahead I have acquired a bachelor's in Civil engineering from Dr. Lankapalli Bullayya College of Engineering for Women by acquiring decent grades. During my undergraduate studies, I acquired knowledge of various subjects such as Project planning and control, building planning, and designing. These subjects have laid a solid base for my higher studies. Further, subjects such as Estimating and Costing and Building materials, and Building construction which gained my interest further the course are in perfect correlation with each other that will upgrade my academic profile. As for my language proficiency, I opted for the IELTS test and scored an overall 7.5. Apart from scholastics, I have undertaken projects as well as an internship. To mention I worked with Auriga Consultancy and management, Abu Dhabi UAE, as a project trainee. I have designed a plan for a restaurant and other various projects using AutoCAD during my one-month internship.

Besides, after completion of my third year, I have worked on a mini project on “Cost optimization of the rectangular singly reinforced concrete beam by generalized reduced gradient method along with my friend, the objective function is chosen as the overall cost of the beam given by the sum of the products of unit rates of steel and concrete in rupees per unit volume (m<sup>3</sup>) with their volumes. 28 combinations of simply supported beams of different spans subjected to different point loads and uniformly distributed loads are analyzed using EXCEL Solver. The constraints are adopted to satisfy various guidelines as per IS 456:2000 code of practice. My paperwork got accepted in the Institute of Physics (IOP) series on the same topic mentioned above, the mini-project was the extension of the paper. During the pandemic lockdown, I did an online internship, where I had planned my 3-bedroom flat using AutoCAD and Revit, later I analyzed the structure and design using Staad pro software, finally, I estimated the cost of the construction. To add, I have worked for a private construction company named SVL Enterprises as a Geotechnical Technician for 3 months, I have performed many tests such as soil exploration tests, chemical and physical laboratory & field tests according to prescribed

standards to define characteristics of the composition of solid, liquid. I have closely worked with my seniors and gained a lot of knowledge.

To add to that I have participated in several international seminars and workshops like coastal reservoirs: a sustainable solution for water scarcity advances in civil engineering, sustainable system, and structures, modern construction materials, site investigations for construction, basic conventional bridges. These seminars broaden my knowledge about various concepts of civil engineering whereas workshops allowed me to implement various concepts of civil engineering. I was able to complete these projects, internships, and workshops due to my interest in this field. I have participated in various other workshops such as event management, English proficiency quizzes.

Several reasons influenced my decision to study abroad rather than in India. The major one is that Indian institutions focus largely on indigenous knowledge rather than a global perspective of the field which is crucial for the current Indian market. After a meticulous consideration of a careful benchmark test of various education hubs of the world, I concluded with the USA as my destination for higher studies. There were numerous parameters where the USA is at best compared to other countries. One of the several was the amount of money paid for the quality of education provided. The quality of education provided in the USA is above par with the best education hubs in the world whereas the cost incurred is fair and reasonable. The institutes in the USA emphasize providing industry-ready education to students. Education qualification from the USA is recognized worldwide and there is no second thought about that. Not only that the USA is one of the safest countries for students, the safety of the student is not the only concern for the student but also parents. The cost of living during the period of stay is also reasonable. Considering the above factors, I opted for higher studies in the USA.

I compared SIT with various other universities and there were numerous reasons to opt for your university. The quality of education is first on the checklist and no doubt that your university was at the top. A reputed university such as yours will provide students with no less than the state-of-the-art infrastructure that helps students during the program. The faculty members of the university possess vast industry experience as expected from an internationally recognized university. By embarking on this program, I aspire to learn the ropes with the best minds; Thomas Jefferson University will provide me with a platform to connect with people across the globe and learn in-depth. Moreover, the diversity in the culture of students that your university provides aid in broadening the student's understanding of the various cultures. Also, the long list of alumni and their contribution in their respective fields made my decision to study at Thomas Jefferson University firm.

After completion of the course, I intend to return to India. India has a wide scope in the Construction industry. The numerous infrastructure projects are governments or private has increased over the years. The government of India has increased its focus on the infrastructure industry. On return to India, I would like to return to join my father's business and start my own company. Having the knowledge of management in the construction industry I will be able to better handle my father's business and my company moreover I intend to take it to a greater

height. Apart from that my family lives in India and it is my responsibility to take care of my family. Furthermore, I am emotionally very close to my family therefore living with them will certainly help me in accomplishing my professional goals. With socio-economic benefits present in India my decision to return to India is firm.

I would like to thank you for providing me with this opportunity. Through this statement, I have provided the details true to the best of my knowledge. Having shed light on my academic and professional experience along with my proclivities, short term as well as long term goals, and my specific objectives, I request you to optimistically evaluate my application and honor me with the opportunity to pursue the esteemed program.

Kind regards,  
Avula Manasa

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