

## STATEMENT OF PURPOSE

Name of the candidate: **SaligantiAnilraj**

Department applied to: **Civil Engineering**

Degree Sought: **MS**

Having finished four years of study in Civil Engineering, I feel proud of my decision to take up Civil Engineering as the course of my study at the Under-graduate level. Civil Engineering is one field wherein we learn from what we see, build from what we learn and finally, we see what we learned and built (our own creation!!). It is a field which presents scope for a more pragmatic approach in learning concepts, not just giving the theoretical know-how. I believe that the theoretical concepts are better understood when explained with demonstration of practical applications. Since Civil Engineering is a branch that is more relevant to our day-to-day lives, it naturally attracted me.

I completed my schooling in Narayana Olympiad School, Hyderabad, India. My school helped me develop better in the field of science, right from the initial stages, with different technology fests, science expos and I have secured 9.2 CGPA in 10th standard though I secured 100% in mathematics. Then I said to myself that I am a far better performing student than these marks suggest. Hence to prove my capability to myself I worked hard with sincerity and devotion and obtained valuable marks of 92.6% in my Board of Intermediate at Narayana Junior College, Hyderabad, India.

Having scored well in the entrance examination to under graduate college, I secured an admission in JNTUH College of Engineering, Hyderabad, rated among the best institutes in the State. I always wanted to pursue civil engineering but when I discovered a course B. Tech. 5 year Integrated Dual Degree Programme(IDP) in Civil Engineering and MBA(Marketing), So I opted to do the integrated course and now I feel this course has laid a strong foundation not only in civil engineering but

also in management. The spectrum of courses offered at college exposed me to the various innovative avenues of study that Civil Engineering offers. The introductory course in Engineering Mechanics introduced the very fundamentals of Mechanics, the first stepping stone to understanding the more complex principles. The intensive curriculum and the well-equipped laboratories at the college have significantly honed my understanding of the problems and have bestowed me with a profound knowledge and insight.

I strongly believe that the theoretical knowledge goes in vain unless applied to real life problems. Consequently, I worked on different projects at the Under graduate level, which helped me delve deeper into the concepts. I list them below:

i) A project on “WIDENING OF NATIONAL HIGHWAY TO TWO LANE WITH PAVED SHOULDERS” from JADCHERLA to KALVAKURTHY, Road : NH 167, Road Section: From km 15.525 to 62.880, in MAHABUBNAGAR DISTRICT.

ii) “ANALYSIS ON GEOMETRIC SENSITIVITY, RISK GENERATION AND CONGESTION WITH REFERENCE TO GEOMETRY”.

Initial Research Experience:

I had been selected for a two-month research program under the University Grants Commission Undergraduate Research Program through a merit-based written exam. During the two-month period, I, paired with another student, worked under a Professor in Transportation Engineering. The program was directed at exposing the students at Under Graduate level, to a research environment and thus, encouraging the young to take up a career in research. It was a thoroughly indulging experience working under this program, though not in Construction Management, as it gave me the first opportunity to observe on-going research work from close quarters, a step ahead towards my goal. I understand that research calls for intense dedication, motivation and indefatigable perseverance, which I believe I have shown throughout the program. The maiden research experience only intensified my zeal towards research.

In addition to academics, I played an equally active role in extra-curricular activities and games right from school. I was an active participant and represented my school at various Inter-School Science Fair and Quiz Competitions organized at different levels. I participated in various competitions and played Carroms and Volley Ball at the college games. I actively volunteered to assist in the organization of the National Level Technical Symposium, "STHAPATYA" conducted every year by the Civil Engineering Department, JNTU-CEH. Also in my final year of Under Graduate program, I Served as OVERALL CO-ORDINATOR for "JNTUCEH-FEST 2K19" a national level Technical Symposium organized by JNTU College of Engineering Hyderabad. In the same year, I Served as one of the COORDINATOR for "STHAPATYA-2K19", a national level Technical Symposium organised by Civil Engineering Department JNTU-CEH, Kukatpally. I also Served as an Organiser for "SPANDANA'19" a cultural fest organized by JNTU-CEH, Kukatpally, Hyderabad.

The five years of study have educated a strong inclination towards Construction Management. Construction Management is the foundation for every project and the key to its success. I understand that their role in development of industry and economy is paramount. In a developing country like India, good quality and management of material and labour is known to be a hit or miss. This issue has constantly bothered me and I find that a study of construction management could be a potential tool to help me do my bit in solving them. Some of the vast projects like The Palm Islands (Dubai), The Brooklyn Bridge (New York) are some of the live examples of what can be achieved in a good construction management. They only added to my fascination with the subject and I had known for sure that I would one day be a part of a project that would marvel professional architects and common people as well.

At the verge of completion of course, I find that the Undergraduate Study only introduces the numerous facets of the field; it only laid the foundation stone before I should build on to more intriguing and challenging aspects of this comprehensive field. In order to forge ahead towards my long-term ambition of research and to delve deeper into the subject, I consider it an

essential step forward to finishing my Masters, after which, I would initially take up a job in the R & D department of a firm. hence, I am sure I can proudly declare of having contributed significantly to my field of interest.

A meticulous study about various Universities has proved to me that California State University, East Bay, Hayward is the right place for me. The research-oriented Masters Program offered at the University is quite encouraging. Also, as I corresponded with the professors at my college, I got to know that the expert guidance from the learned faculty at your University would be an invaluable asset to my pursuits. In conclusion, I would reassure you that I am motivated and determined in my prospects. I am aware of the level of dedication and perseverance demanded by the study. I believe there's a lot your University can offer me and in turn, I ascertain that I will strive to contribute my share to the on-going work at the University. I am confident of doing justice to the faith entrusted in me. Looking forward to developing a mutually fertile relationship with the University.

**SALIGANTI ANILRAJ**