

SOP Sample for MS in mechanical engineering

Every product in modern life has been touched virtually by a mechanical engineer to improvise it for mankind to solve today's problems and future solutions. This widens the scope of learning and research in the different streams. I have been fascinated by the idea of inventing new things that benefits and comforts our work in various ways. This stream mainly centres on creating technologies to meet human needs.

Coming to my educational qualification I have done my bachelors degree in the department of mechanical engineering from IIT Kharagpur. Pursuing this course helped me to gain immense knowledge required to sustain as a perfect mechanical engineer. The computer aided design courses and the drawings that were learned during my bachelors degree made me aware of new methodologies available in this stream. I even participated in the workshops and national conferences conducted by the other universities as well that raised my technical skills in both theoretical and practical ways.

Owing to my interest in the concepts pertaining to fluid dynamics, heat transfer, combustion and propulsion I submitted my final project on aerodynamic modelling of wind turbines applying computational fluid dynamic tools. The objective of this project is to develop a high accuracy computer modelling tool in supporting wind turbine design. The breadth of mechanical engineering allows a variety of career options beyond the industries like automotive, aerospace, manufacturing, energy conservation etc.

To refine my skills further I worked as an intern in XYZ turbine design and manufacturing company for 6 months that aided me to explore the industrial field. During my internship I closely observed and learned the sustainable ways to deal with the wind turbine components and recycle them.

My passion, knowledge and academic performance helped me to secure a good rank in GATE examination and got placed as Junior engineer at India's prestigious company Hindustan aeronautics private limited (HAL). Working alongside the senior scientists helped me to come across and learn the practical application of the advanced tools to discover unknown things around the space. After 2 years I was designated as a project head that increased my responsibilities towards the company and enhanced my leadership skills as well.

After reaching this level of competence a further research is required to upgrade the skills. I feel getting a master's degree will help in attaining deeper knowledge and good command on analytical skills that improves the proficiency in discovering and implementing new methodologies. What added to this is the fact that your university has the best in-course curriculum that merges theoretical and practical application of latest advances and also the guidance of the esteemed faculty with industrial experience more than two decades. Apart from

this the amenities you are providing to the international students to ensure hassle-free in various aspects marks your university as best among top universities.

I believe that a master's degree from ABC university will definitely excel my career for the upcoming change. The analytical techniques and methodologies taught during the course will be guiding me in facing the new challenges in the real world. My dedication and your university commitments towards the students together will help me to peak my passion and profession to be one among the famous scientists.