STATEMENT OF PURPOSE

"Education isn't just about learning math's or science at school. It's about gaining the knowledge and the skills needed to better ourselves and the world we live in and it broadens our perspectives to help us learn about different societies and cultures."This statement inspires me to gain knowledge and experience about how things work and think out of the box. Engineers are constantly conformed with the challenges of bringing ideas and design in to reality with new machines and technology which are being developed continuously with high precision and quality. I think for me this course is advancement and I am ready to strive for it.

In the final year of my undergraduate course, I worked on a group project titled "Plastic Recycling Plant", the objective of the project was to built a cost effective plastic recycling machine for granule products for small scale plastic industries, to reduce plastic waste streams saving non-renewable resources and enabling carbon neutral energy production from waste. Another project was made by me in final year of my Diploma course, I worked on a group project titled "Pedal Powered Electricity Generator using Alternator", our goal was to design and implement a bicycle power generator for generation of electricity using alternator to bring safe and reliable power to millions of people by storing power in batteries.

"What makes a child gifted and talented may not always be good grades in school, but a different way of looking at the world and learning." Rolling back in time I have done my schooling (SSC,10th) in March, 2012 from St. Xavier's High School, Virar scoring 71.09%.Moving to Higher Education (HSC,12th) in February, 2014 from Utkarsha Vidyalaya and junior College, Virar with 48.46%. Further I completed my Diploma in Mechanical Engineering from VIVA College of Diploma Engineering and Technology in May 2016 with 69% and Bachelor of Engineering in Mechanical from Bharati Vidyapeeth's College of Engineering, Lavale, Pune scoring 6.29 pointer aggregate.

In Third year of my course our team Wagon Fury Motorsport have represented our college by designing an Off-road Rally Car and participated in National Level competition "Rally Car Design Challenge" held in Bikaner, Rajasthan in 2018. In our Team I was working as braking department head and led my team to analyze and design effective braking system for our vehicle. In this project, I have got a huge exposure to automotive terms and helped me in developing management skills. It has also helped me develop analytical, evaluation, and diagnostic skills that are required to develop new systems.

During my Final year of graduation, I have published paper on my project "Plastic Recycling Plant" on Global Journal of Engineering Science and Researches (GJESR) in March 2019. I have participated in National Level Project Competition and Exhibition 2019 held by our college, and Published paper and presented my project in National Conference on Recent Advances in Engineering Science (NCRAES) held in March 2019 at Bharati Vidyapeeth's College of Engineering, Lavale, Pune.

Prashant Pradeep Sharma
Applying for the Masters Program, Fall 2021

Back in May-June 2019, I interned at Bapu's Shipping Jamnagar Private Limited, one of the leading Marine Transporter in Gujarat having their own Tug/Barge and Dry Docks for Marine Transport Repairs. This enhanced my exposure to the industry. Here, I worked in the Maintenance, Repair and Quality department for ten months. In this profile, I collaborated with professionals working on all types of Ships. The company appreciated my work and I gained valuable experience from this internship. As a result, I gained a greater competence in the operation of Machines.

In my undergraduate years, I've acquired a strong background in the fundamentals of the basic mechanical engineering subjects like Applied Thermodynamics, Fluid Mechanics, Manufacturing Process, HVAC, Dynamics of Machinery, Mechanical System Design etc. So I decided to go on and acquire further specialization in the domain of my interest. An international exposure at this stage of my career will prove valuable for me. Advancements in technology define the reality of mechanical engineering. Therefore, I am looking for an industry-oriented course, that would bolster my profile. In the UK, international students enjoy a sophisticated learning environment. The supportive academic ambience, coupled with the relevance to the industry makes the learning outcome productive. Eventually, I have decided to pursue the course from one of the reputed institutions in the UK.

On scanning through the review websites, I came to know about the enhanced infrastructure and learning opportunities. The reviews look great and the institute happens to be one of the leading technical universities in the country. Particularly, the courses designed by the academicians here cater to the industry standards. I would like to gain advanced knowledge on aspects like computational fluid dynamics, heat and mass transfer and combustion. Aspirants can acquire valuable insights through the comprehensive courses, that encompass R&D, production, manufacturing and maintenance. I have found that the modules here are perfectly suitable for me, and I would like to scale greater pedestals in my profession on acquiring this advanced skill set.