**STATEMENT OF PURPOSE**

As a second-year Bachelor of Technology (Hons.) degree student in Chemical Engineering at the National Institute of Technology, Karnataka, a career in waste water treatment and the use of eco-friendly means to accomplish that have raised tremendous interest to work on those fields.

With the ever increasing number of hungry mouths to feed and decreasing land resources, and poor distribution networks, the scarcity of “clean” drinking water is increasing at alarming proportions. With an estimated population of 8 billion people in 2025, where most of the population increase is in the third-world countries, it will be inevitable situation of the ‘survival of the fittest’; the fittest in this case being people with higher financial security and access to resources that only money can buy. Moreover, the environmental ramifications of such a huge population cannot be undermined and efforts must be put in place to keep this planet - the only home of mankind, still liveable for all creatures. Thus, there is a huge scope to learn and innovate in this field, to make a difference to our planet.

The number of substances present in drinking water, which have a detrimental effect have only been increasing: from fluorine to arsenic, pharmaceutical and personal care products and many more. I want to learn about the various current disposal methodologies so that I can work further to enhance and combine them to arrive at a better solution, which should be technologically sustainable and economically feasible.

As a team member involved in an on-going project to generate Biogas from Mess Waste and the analysis of power and cost reductions which can be achieved through this generation, I have gained valuable teamwork skills which I can put to good use with people from other academic and cultural backgrounds.

I believe my academic training as a Chemical Engineer, my passion for clean drinking water, and my commitment to community building and team work will help me in my endeavours to work under you.