**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 the development of alternate energy sources and the use of eco-friendly means to accomplish that have raised tremendous interest to work on those fields.

With the ever increasing population and standards of living, there has also been a simultaneous proportional increase in the amount of energy consumed. This has in turn increased the rate of depletion of the current and traditional energy resources; which are expected to be consumed in a few decades or a century, at best. Thus, the onus falls on alternate energy sources to supplement and substitute the conventional sources and the development of technologies which can be used to produce energy efficiently from non-conventional sources.

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 life for our next generations.

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 knowledge about generation of energy from waste as well as 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 energy security, and my commitment to community building and team work will help me in my endeavours to work under you.