**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 production of affordable, non-perishable food 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 affordable and “consumable” food 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.

Hence, learning about the technologies behind the large scale production of long-lasting food products and then working on them to optimise the cost factor so that such products can supplement/substitute regular food items at affordable prices is the driving mechanism to solve this problem and I would like to work in this field. Moreover, gaining knowledge about the production of traditional food items and processing them efficiently to last for longer durations is another field that I am interested in. The tradition followed will definitely guide me to have a better methodology for the purpose.

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 food security, and my commitment to community building and team work will help me in my endeavours to work under you.