Statement of Purpose

Name of the applicant: Nabin Giri

Course applied: Energy Science and Engineering

Energy has been a topic of concern throughout the world in current scenario. We humans are tackling the problems of energy crisis which unfortunately has led to a numerous problems related to pollution and exploitation of natural resources. Alternate ways for the development of energy generation is still on, and I hope to contribute to this field through my knowledge and creativity. Therefore, I am writing today to express my interest and desire to be considered for the Energy Science and Engineering program at your prestigious institution.

As I am from a country (Nepal) full of water resources and great potential in hydropower generation, I want to invest my knowledge to further improve the hydropower status of my country since we lack skilled manpower and also funding. I want to contribute on solving the global environmental issues by making use of various renewable energy. I graduated as a Mechanical Engineering student from Nitte Meenakshi Institute of Technology, Bangalore. Studying in NMIT has helped me to think clearly, decide swiftly and carry out the vision perfectly which happens to be an influential time. I got a broad knowledge of Mechanical engineering and also a great feeling about studying abroad with friends from different nations. Adapting to these changes taught me to manage time efficiently and how to plan better for solving problems. I have taken courses like Physics, Strength of materials, Thermodynamics, Fluid mechanics, Theory of Machines and so on which helped to acquire a diversified and engineering background. In high school, I majored in Physics, Chemistry, Mathematics which helps in developing logical reasoning skills and acquiring the fundamentals of scientific knowledge. My educational life experience till now helped me become a responsible, ambitious, hard-working, eager to learn and passionate person.

My final year project was on Power Generation using Parabolic Dish CSP Technology. This covered the design and fabrication of parabolic dish for the purpose of achieving maximum temperature from sunlight. Our intention was to maximize the use of solar radiations and makes use of it to generate the electric power. All we aim was to operate the Rankine cycle with solar radiations as a source of heat to the boiler. Solar energy is considered to be environmental friendly source of energy as solar energy power plants do not contribute largely to pollution or produce greenhouse gases.

Throughout my undergraduate studies in NMIT, Bangalore, I maintained an outstanding academic track record. I was consistently ranked among the top students of my department and I was among the regular and disciplined students. Among the graduates from Mechanical department, I was ranked third of 2015-2019 batch.

Over the entire of my education, I also made time for extra-curricular activities that helped me enhanced my organizational, inter-personal and leadership skills. Those activities include being a member of SAE Hybrid two-wheeler project sponsored by TVS motors. During my school and

college, I have been involved in various events, cultural programs, etc. and hosted various programs also.

My undergraduate education has been personally and academically satisfying and now I am determined to advance my knowledge with a graduate degree. My immediate intention is to graduate in Energy Science and Engineering, a rapidly evolving field with immense potential for research. Longer term, I wish to return back to my country and work on this field.

Your extremely talented and respected faculty, curriculum and research facilities have driven me to apply to this program. I am certain that this program will help me gain the knowledge, skills and versatility needed to reach my full potential as an engineer. It would be a great honor to secure admission to pursue graduate studies at your esteemed institution. I am sure that I will meet the standards set by the department and make you feel proud through my contribution I will make in the field.