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## **Essay For Goi-ies Scholarship**

My main motivation behind becoming a GOI-IES Scholar is to pursue my master in renewable energy in Ireland. This enables me to procreate green energy accessible to every small village and city in my home country and Ireland by highly reducing the demand for fossil fuels in power generation. Aside from interest, my main incentive behind selecting this course is its future. Since the limited non-renewable resources in this world can expose any country to the energy crisis in the years coming. Moreover, today global warming is one of the key challenges for developed and developing countries across the universe, which mostly comes from the world Combustion power plants, which are responsible for 42.5% of global CO<sub>2</sub> emissions. Hence, 18 of the 19 warmest years on record occurred on our planet after 2000 according to NASA. Furthermore, this Carbon emission has become a threat to human life, which kills an estimated seven million people every year across the world, and 9 out of 10 people breathe air containing high levels of pollutants referring to WHO data.

It is worthy to mention that Afghanistan's nation due to the long stretches of devastating warfare has been faced with severe challenges across the country, including illiteracy, energy shortage, poor infrastructure and lack of experts in various academic disciplines. Meanwhile, this country is one of the underdeveloped countries with top atmospheric concerns in its capital. Since Household and ambient air pollution kill over 27000 and 11000 people respectively across the country. Thus, it extremely needs further awareness and specialisation in the aforementioned field.

On the other hand, electricity is the maximum wanted necessity in Afghanistan. Since most of the people of its populace use polluting fuels and coal for their cooking and heating desires. According to the state Ministry of Water and Energy, "The current power requirement is 2000 MW. Whereas, Afghanistan generates around 300 MW of electricity and about 1000 MW more is imported from neighboring countries." Therefore, the Afghan government is determined to implement short-term, medium-term and most importantly, long-term power projects with the help of the World Bank to which Ireland have been one of the largest donors through the Afghanistan reconstruction trust fund.

Eventually, I realized that in order to produce a professionally positive impact on a national level .It requires more than just the basics. I believe this can be possible with this opportunity to contribute back to my country in the power era to alleviate future supply gaps by exploiting its sustainable resources such as hydro, solar and wind. From a personal point of view, I come from a joint an ordinary family and have been responsible for struggling with all financial constraints. Therefore, this generous scholarship provides me with the prospect to gain my dreams and aspirations. Hence, if I become a scholar of this program, I will build firm networking between the GOI alumni association and my community through my built-up systems; I decide to be the nexus between the two countries to foster Ireland priorities in Afghanistan.