

# Sakshi Sarathe

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## Statement of Purpose

I am writing to apply as a PhD student. I am a graduate in Electronics & Instrumentation (B.E.) from Samrat Ashok Technological Institute, India, and currently in my final year of postgraduate study on Renewable Energy, a branch of Energy Department, in Maulana Azad National Institute of Technology, India. I am due to complete my postgraduate study by May 2022. I am working on my dissertation under my college professor, Dr. Prashant V. Baredar. I believe the research work I did while writing papers and working on my projects as well as my thesis, which has revolved around the concept of using Water and Sustainable Development, makes me a strong candidate for the position for the course "Groundwater Quality & Water Security in India", under Earth & Environmental Sciences Department.

As my CV demonstrates, I have written papers on various topics related to energy and water resource management, worked as Trainee in BHEL, Bhopal in this field and even had Energy Policy & Planning and Small Hydro Power as my theory subject in my second semester of postgraduate study. My postgraduate thesis on "Performance Analysis of Modified Multiple Slope Solar Still", the model proposed will help to purify the desalinated water naturally using solar energy. It gives solution to the problem of scarcity of pure drinking water, especially in the areas where there is abundance of renewable energies but shortage of pure drinking water.

I have done an elaborate study on your University and researched on the course details, the study environment, the positive peer support and the guidance provided. I found your website to be user friendly and filled with all the necessary details I needed to apply. My interest area has always been in saving or reviving the environment with any way possible and I have been blessed to have studied both Engineering and Energy. The course I am applying to is similar to my interest areas and think I will be a good candidate for the same. I have the skills to be able to cover the course for my doctorate in an efficient way and complete it within the given time frame. I won't shy away from working hard or putting up extra hours if needed for my work. I will be grateful and very fortunate if you provide me with this opportunity to grow and be a part of your incredible academic community.

Thanks & Regards,  
Sakshi Sarathe