

Bahre Drar

+251 961264486

drar.bahre@gmail.com

Addis Ababa city, Ethiopia

Admissions Committee

University of Padua

Italy

Subject: Motivation Letter for Master's Program in Electrical Engineering and Energy Engineering

Dear Admission committee,

I am delighted to apply for a master's degree program at your University for the coming season intake. I want to apply on a program that provides a solid step towards my future career as an electrical and computer engineer. An interdisciplinary approach of a subject that provides future development of Power engineering is great interest to me. My academic and internship experiences in electrical and computer engineering have nurtured my passion in using education and research to create a power system optimization and smart grid technology.

I hold a Bachelor of Science in Electrical and Computer Engineering (Power Stream) from Mekelle University, Ethiopia, where I developed a profound understanding of power systems, electrical machines, and energy conversion. Additionally, I have earned a degree in Management from Sheba University College, which has outfitted me with strategic planning and leadership skills crucial for multidisciplinary engineering projects.

Throughout my academic and professional journey, I have undertaken projects that align with the objectives of both master's programs. My final year project, "Design, Analysis, and Simulation of Extra High Voltage Long Transmission Line," provided me with good knowledge of high-voltage power transmission, system stability, and efficiency optimization. Furthermore, during my internship at Messebo Cement Factory PLC, I worked on Power Generation by Waste Heat Recovery using the Rankine Cycle, which captured my interest in renewable energy solutions and sustainable power generation.

My active participation in leadership roles, including serving as a committee member of the student union and a member of the peace forum at Mekelle University, has enhanced my ability to work in collaborative environments, solve complex problems, and make meaningful contributions to society.

The University of padua's renown for groundbreaking research, advanced facilities, dynamic industry engagement makes the ideal place for me to further develop my skills. The Master's in Electrical

Engineering will deepen my understanding of advanced electrical systems, power electronics, and smart grids, while the Master's in Energy Engineering will prepared me with the necessary skills to develop and implement sustainable energy solutions to address global energy challenges.

My ultimate goal is to contribute to advancement in power engineering, energy efficiency, and smart grid technologies through research and innovation. I am eager to harness the resource at your institution to refine my skills, collaborate with experts, and contribute meaningfully to the field.

Apart from my academic activities, I love travelling, listening to music and helping others in whichever way I can.

There is no doubt that I am an all rounded individual and given an opportunity by you I will become a much better person through the exposure and knowledge I will acquire. I look forward to becoming a useful asset in this initiative and gaining a lot of scientific knowledge through this program. Thank you for your consideration.

Sincerely,

Bahre Drar