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Admission Committee

Skolkovo Institute of Science and Technology

Bolshoy Boulevard 30, bld. 1

Moscow, Russia 121205

Dear Admission Committee,

I am writing to express my strong motivation and enthusiasm to pursue a Ph.D. in the field of Energy Systems at Skolkovo Institute of Science and Technology. With my completed MSc in Automatic Control Systems at the University of Nigeria and my ongoing MSc in Energy Systems at Skolkovo Institute of Science and Technology, along with my solid background in AI, Electrical Engineering, Control Systems, and energy system modeling, I am confident in my ability to contribute to the development of novel Distributed Control Strategies for Smart Distribution Grids with High Penetration of Renewable Energy.

During my MSc studies, I developed a deep passion for conducting cutting-edge research to address the technical challenges faced by energy systems striving for net-zero carbon targets. Through my coursework in control systems, operations research, power/energy systems, and electrical engineering, I have acquired a strong theoretical foundation. Additionally, my experience in energy system modeling, dynamic systems, and power systems analysis has honed my analytical and problem-solving skills.

As a research intern at the Center for Energy Science and Technology, Skolkovo Institute of Science and Technology, I had the privilege to engage in projects focused on energy systems and their applications. This invaluable experience provided me with hands-on exposure to data analysis, real-time simulators for microgrids, and fruitful collaboration with a diverse team of researchers. It also enhanced my ability to effectively present research findings.

Furthermore, I served as a Graduate Assistant at Federal Polytechnic Nasarawa, Nigeria, where I gained valuable experience in conducting research projects related to electrical/electronic engineering. In this role, I assisted faculty members with research projects, conducted laboratory sessions, graded assignments, and provided support during lectures and conferences. This position further strengthened my technical skills and nurtured my ability to work collaboratively in an academic environment.

I possess a wide range of technical skills, including expertise in machine learning, control systems, operations research, and power/energy systems. I am proficient in programming languages such as Python, MATLAB, and PHP, and I have experience conducting experiments, simulations, and field trials related to energy systems.

Driven by my passion for Energy Systems, I am highly motivated to contribute to the field through my Ph.D. research. I am eager to explore emerging technologies and trends in electric mobility, smart grids, and renewable energy, and utilize them to develop innovative control strategies. I firmly believe that by integrating my diverse skill set and collaborating with esteemed researchers and faculty members at Skolkovo Institute of Science and Technology, I can make significant contributions to the advancement of the field.

In conclusion, I am thrilled about the opportunity to pursue a Ph.D. at Skolkovo Institute of Science and Technology. With my academic background, research experience, strong analytical and programming skills, and deep commitment to addressing the challenges of power systems control, I am confident that I am a suitable candidate. I eagerly anticipate the chance to discuss my research interests and potential collaborations with the esteemed faculty members at Skolkovo Institute of Science and Technology.

Thank you for considering my application.

Yours sincerely,

Divine Okeke