



LETTER OF RECOMMENDATION

I am writing to recommend Ms. Amira Hassanein Abdallah for the Master of Physics Scholarship at your well reputable university. I had the pleasure of teaching Ms. Abdallah in the following undergraduate physics courses:

- Classical Mechanics: Ms. Abdallah demonstrated a strong understanding of the fundamental concepts of classical mechanics, such as Newton's laws of motion, momentum, and energy conservation. She was able to solve complex problems with ease and was always willing to help her classmates. For example, she helped a classmate who was struggling to understand the concept of momentum by creating a simple analogy that made it easier to understand.
- Electromagnetism: Ms. Abdallah excelled in this course, which covers the principles of electricity and magnetism. She was able to understand and apply the concepts to real-world problems. For example, she was able to calculate the electric field around a charged particle and use this information to design a simple circuit.
- Quantum Mechanics: This is a challenging course, but Ms. Abdallah thrived in it. She was able to grasp the complex mathematical concepts and apply them to solve problems. For example, she was able to solve the Schrödinger equation for a simple hydrogen atom and use this information to calculate the energy levels of the atom.
- Statistical Mechanics: This course covers the principles of thermodynamics and statistical mechanics. Ms. Abdallah was able to understand the fundamental concepts and apply them to solve problems. For example, she was able to calculate the entropy of a gas and use this information to explain why gases tend to expand.

In addition to her academic achievements, Ms. Abdallah is also an active member of the physics community. She is a member of the physics club and the physics honor society. She has also presented her research at several conferences.

Ms. Abdallah is also a highly motivated and self-driven student. She is always eager to learn and take on new challenges. She is also a very creative thinker and is not afraid to ask questions or challenge the status quo. For example, she came up with a new way to solve a problem in classical mechanics that was more efficient than the existing methods.

I am confident that Ms. Abdallah would be an asset to the Master of Physics program at your well ranked university. She is a bright, motivated, and talented student who has the potential to make significant contributions to the field of physics. I highly recommend her for this scholarship.

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Ass. Prof. Mohamed Said Shams, Email:

mshams_2008@gmail.com

University of Sadatcity, Physics and Mathematical
Engineering Department, Faculty of Electronics

M. Shams