



DHAKA COLLEGE

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To
the MIT Admissions Committee
Massachusetts Institute of Technology
77 Massachusetts Avenue Cambridge, MA 02139, USA

January 3, 2026

Subject: Letter of Recommendation for Abdullah Alif

To the MIT Admissions Committee,

In my years lecturing within the storied galleries of Dhaka College, I have taught thousands of students, many of whom are among the brightest in Bangladesh. However, once in a rare decade, a student like Abdullah Alif enters my gallery and fundamentally changes the classroom dynamic. I am writing to you not just as his teacher, but as a mentor who has watched him evolve into one of the most formidable young physicists in our country.

Abdullah's reputation preceded him, but it was during our sessions on classical mechanics that I truly saw his "Olympiad brain" in action. While most students at the Class 12 level are focused on the rote memorization of formulas to secure marks, Abdullah spends his time questioning the very derivations of our curriculum. I recall a specific afternoon when, after the gallery had cleared, he approached the whiteboard to challenge a simplification I had made regarding non-conservative forces in oscillating systems. He didn't just point out the flaw; he provided a more rigorous alternative using energy methods that displayed a mathematical maturity I usually only see in post-graduate researchers.

His achievement as a National Winner of the Bangladesh Physics Olympiad is a testament to his grit. The problems in that arena are designed to break a student's spirit, yet Abdullah treats them like a playground. He possesses a rare "physical intuition"—the ability to look at a complex mechanical system and immediately identify the underlying symmetries and conservation laws before a single line of math is written.

Beyond the numbers, Abdullah is a leader in the truest sense. In the competitive, high-pressure atmosphere of Dhaka College, he is often found surrounded by peers in the gallery during breaks, patiently deconstructing the nuances of a difficult problem. He has a gift for making the abstract feel tangible. He doesn't just want to win; he wants to elevate the collective understanding of everyone around him.

At MIT, you look for "Mens et Manus"—mind and hand. Abdullah Alif has the theoretical mind to thrive in your most rigorous physics courses and the practical hands to build, test, and break things until he finds the truth. He is, quite simply, the finest physics student I have ever had the privilege to mentor at this institution. I recommend him to you with the highest possible conviction.

Sincerely,
Professor Dr. Momanul Islam (PhD)
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