



Noor Qandeel

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📍 **Home:** Paris Rose Tower, H-13 sector, opposite Nust gate 4, Islamabad, (Pakistan)

ABOUT ME

Passionate and dedicated science enthusiast with a strong foundation in undergraduate-level physics, particularly in the field of condensed matter physics, which explores the fundamental properties of solids and matter. Committed to expanding knowledge and sharing insights through teaching. Skilled in delivering engaging and concept-driven lectures at school and college levels, using real-life applications and innovative methods to simplify and solve complex numerical problems. Driven by a deep curiosity and a strong desire to make physics accessible and inspiring to students.

EDUCATION AND TRAINING

Bachelors of Science in Physics

National University of Science and Technology (NUST) [09/2014 – 05/2019]

Key Courses: Quantum Mechanics, Thermodynamics, Condensed Matter Physics, Material Science, Electrodynamics

Final Year Project: *Room Temperature Ferromagnetism in 2D Materials*

- Presented project findings at various platforms and received an A+ grade for the project defense.

FSc (Pre-Engineering) - Higher Secondary School

F.G Post Graduate College for Women, Wah Cantt, Pakistan [07/2012 – 12/2014]

Matriculation (Science) - Secondary School

Sir Syed College, Wah Cantt, Pakistan [07/2010 – 06/2012]

WORK EXPERIENCE

🏢 **Sungkyunkwan University** – Suwon, South Korea

City: Suwon | Country: South Korea

University teaching assistant

[10/2023 – 05/2024]

Advanced Physics Courses (Quantum Mechanics, Electricity & Magnetism)

- Received training from esteemed professors in delivering high-level physics instruction.
- Assisted faculty with exam preparation, quiz administration, project evaluation, and grading.
- Utilized effective teaching strategies, incorporating real-life examples to explain complex concepts.
- Specialized in simplifying intricate numerical problems and fostering student understanding through clear, step-by-step explanations.

🏢 **Sungkyunkwan University** – Suwon, South Korea

City: Suwon | Country: South Korea

Research Assistant

[09/2022 – 07/2023]

- Gained hands-on training in operating advanced laboratory instruments, including Atomic Force Microscopy (AFM) and Scanning Electron Microscopy (SEM).
- Conducted research projects focused on addressing key challenges in the discovery and synthesis of 2D nanomaterials using Chemical Vapor Deposition (CVD) techniques.

Pedagodia School and College System, Islamabad, Pakistan – Islamabad, Pakistan

City: Islamabad | Country: Pakistan

Physics Teacher

[12/2020 – 04/2021]

- Taught first-year and second-year students in Physics and Mathematics, delivering lectures and creating engaging learning materials to facilitate understanding of complex concepts.
- Conducted hands-on laboratory experiments, guiding students through practical applications of theoretical concepts to enhance their learning experience.
- Developed and implemented a comprehensive test series to assess student knowledge and track progress throughout the academic term.

Pak Land School and College System – Islamabad, Pakistan

City: Islamabad | Country: Pakistan

Physics lecturer

[11/2019 – 02/2020]

- Delivered engaging and comprehensive lectures in Physics and Mathematics to grade 9th & 10th, using various teaching strategies to ensure student understanding and academic growth
- Checked and graded papers and assignments, providing constructive feedback to help students improve their performance
- Managed the classroom environment by implementing effective discipline strategies and fostering a positive, focused atmosphere conducive to learning
- Collaborated with colleagues to align teaching methods and curriculum with school standards and students' needs

National University of Sciences & Technology – Islamabad, Pakistan

City: Islamabad | Country: Pakistan

Research Assistant

[06/2018 – 08/2020]

- Received hands-on training in the synthesis of nanomaterials for advanced and innovative applications.
- Trained in scientific writing and effectively presenting research findings at international conferences.
- Successfully contributed to the publication of research papers in peer-reviewed international journals.

HONOURS AND AWARDS

Sungkyunkwan University

Fully funded STEM Scholarship awarded by Professor

The purpose of this scholarship is to serve as a Research Assistant for a designated period. It is awarded based on prior research experience gained at a previous institution.

Sungkyunkwan University

Sungkyun Honorable Scholarship

Received the International Student Scholarship with a full tuition fee waiver, awarded based on outstanding academic performance