



AQSA FAROOQ

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Career Objective

Motivated and accomplished mathematician with a solid foundation in both theoretical and applied mathematics. Eager to contribute as a Lecturer in Mathematics by fostering critical thinking, promoting research excellence, and enhancing academic rigor through innovative teaching methodologies.

Education

- MS / MPhil in Mathematics – COMSATS University Islamabad, Lahore Campus
- Bachelor's Degree in Mathematics – COMSATS University Islamabad, Lahore Campus
- Intermediate in Pre-Engineering – Fazaia Intermediate College Munir Road (PAF), Lahore Cantt
- Matriculation in Science – Fauji Foundation Model School, Lahore Cantt

Teaching Experience

Lecturer (Visiting) – Department of Mathematics

COMSATS University Islamabad, Lahore Campus | Sep 2021 – Jan 2025

- Delivered comprehensive lectures in Calculus and Analytical Geometry, Linear Algebra, and Differential Equations.
- Utilized student-centered teaching strategies to foster deeper understanding and engagement.
- Provided academic mentoring, improving overall class performance and student satisfaction.
- Collaborated with faculty to revise and update course content and structure.

Research Experience

Research Assistant – HEC-Funded Project

COMSATS University Islamabad, Lahore Campus | 2018 – 2019

- Contributed to HEC project titled: 'Metric Dimension of Different Chemical Structures'.
- Assisted senior faculty in delivering mathematics courses and academic support.
- Led problem-solving sessions and evaluated student assignments and exams.

Publications

Muhammad Hussain, Aqsa Farooq. 'Metric Dimension on Line Graph of Honeycomb Network'. International Journal of Mathematical and Computational Sciences, Vol. 13, No. 11, 2019.

Academic Projects / Thesis

- Topological Invariant of Subdivided Graphs – Supervised by Dr. Kashif Ali
- Metric Dimension of Different Chemical Structures – Supervised by Dr. Muhammad Hussain (Head of Department)

Professional Experience & Academic Contributions

- Internship at Pak Elektron Limited (PEL) – Aug 2016 to Sep 2016
- Organizer – 2nd International Conference on Recent Advances in Applied Mathematics
- Organizer & Participant – International Conference on Applied Mathematics
- Participant – CIMPA 2018, School on Combinatorial Commutative Algebra
- Organizer – Thematic Workshop on Algebra and Number Theory, March 2016
- Organizer – PAK-CHINA Business Forum 2016
- Public Relations Organizer – COMSATS International Model United Nations (CIMUN 2017)
- Volunteer – IEEE-WIE CIIT Lahore
- Participant – Workshop on Renewable Energy Technologies
- Appreciation Certificate – World Book & Copyright Day

Technical & Professional Skills

- Proficient in MATLAB, Python, LaTeX, and Microsoft Office Suite.
- Strong foundation in Calculus, Algebra, Statistics, Graph Theory, and Discrete Mathematics.
- Ability to convey complex mathematical concepts in a clear and engaging manner.
- Experienced in integrating technology into academic delivery for enhanced learning outcomes.
- Excellent communication and interpersonal skills for student engagement and support.
- Student-focused approach with a dedication to continuous improvement.
- Exceptional organizational and multitasking abilities.

References

Available upon request.