

AQSA FAROOQ

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Career Objective

An accomplished mathematician with a profound commitment to academic excellence and research, aspiring to contribute as a Lecturer in Mathematics. Passionate about fostering intellectual growth, enhancing analytical skills, and driving innovative research to support the academic mission of the institution

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

Mathematics Lecturer (visiting) – COMSATS University Islamabad, Lahore Campus –Sep, 2021-Jan,2025

- Develop and deliver engaging lectures on various mathematics topics, including [Calculus and Analytical Geometry , Linear Algebra , Differential Equations].
- Design and implement innovative teaching methodologies to enhance student comprehension and enthusiasm for the subject.
- Provide individualized support and mentoring to struggling students, resulting in improved overall class performance.
- Collaborate with colleagues to develop and refine course materials and curricula.

RESEARCH ASSISTANT at HEC under the HEC research project titled METRIC DIMENSION OF DIFFERENT CHEMICAL STRUCTURES. - COMSATS University Islamabad, Lahore Campus – 2018 – 2019.

- Assisted senior faculty in teaching various mathematics courses.
- Conducted review sessions and assisted students in problem-solving.
- Graded assignments and exams, providing constructive feedback to students.

Publication

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

Graph Theory “**TOPOLOGICAL INVARIANT OF SUBDIVIDED GRAPHS**” supervised by *Dr. Kashif Ali* (Professor)

Graph Theory “ **METRIC DIMENSION OF DIFFERENT CHEMICAL STRUCTURES**” supervised by *Dr. Muhammad Hussain* (Professor and head of department)

Work Experience

- Worked as an Internee in **Pak Elektron Limited (PEL)**, from Aug 01,2016 to Sep 01, 2016.
- Participated in [CIMPA 2018](#), **School on Combinatorial Commutative Algebra**.
- Worked as an organizer in the 2ND **International Conference on Recent Advances in Applied Mathematics**.
- Worked as an organizer and certified of participation in the **International conference on applied Mathematics**.
- Certified of participation in one day symposium on **Algebra and Number Theory**.
- Worked as an organizer and certified of participation in the **Thematic Workshop held on 19th march 2016**.
- Certified of appreciation on the occasion of World Book & Copy Write Day.
- Worked as an organizer in **PAK-CHINA BUSSINESS FORUM 2016** .
- Certified of participation in workshop on “**RENEWABLE ENERGY TECHNOLOGIES**”
- Certified of inspiring volunteer in **IEEE-WIE CIIT LAHORE**.
- Worked as an organizer (public relation) in COMSATS INTERNATIONAL MODEL UNITED NATION (**CIMUN17**) .

Technical and Professional Skills

- Proficient in advanced mathematical software including [e.g., MATLAB, Python, Latex, Mirosoft office].
- Comprehensive knowledge of various mathematical disciplines, including calculus, algebra, statistics, and discrete mathematics.
- Strong ability to present complex concepts in a clear and accessible manner.
- Proficient in using technology and software to enhance the teaching and learning experience.
- Excellent communication and interpersonal skills to connect with students and foster a positive learning environment.
- Dedication to student success, with a focus on student-centered learning methodologies.
- Strong organizational skills to manage multiple tasks and responsibilities effectively.

Reference will be furnished upon demand.

