

# Aisha Urooj

## Mathematician & Lecturer

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### About Myself

I am an experienced educator with five years of experience in assessment development, academic leadership, and planning. I follow a student-focused approach to teaching that values clear thinking, fairness, and care for learners. I work effectively with students from different backgrounds and help build well-organized learning environments through reflective teaching, aligned curricula, and ongoing professional development.

### Qualification

Degree	Institute	Year of Passing	Status/Division/Grade
MS (Applied Mathematics)	NED University of Eng & Tech Karachi	2023	3.93 CGPA
MSc (Applied Mathematics)	University Of Karachi	2019	3.34 CGPA
BS (Hons)	University Of Karachi	2018	First Division
HSC	Govt. College for Women Shahrah-e-Liaquat	2014	First Division
SSC	KMA Girls Secondary School	2012	A-one grade

### Experience

- **Lecturer at Department of Mathematics, NED University of Engineering and Technology, Karachi Pakistan. [December 2025 – Present]**
  - Delivering Class lectures
  - Responsibilities included lecture planning, student assessment, preparation of assignments and presentations and maintenance of documentation as per the prescribed quality policy
- **Visiting Lecturer at Department of Mathematics, NED University of Engineering and Technology, Karachi Pakistan. [Aug 2025 - Dec 2025 ]**
  - Taught undergraduate mathematics courses “Multivariate Calculus”, “Quantitative Reasoning” , “ Linear Algebra and “Ordinary Differential Equation” for students Engineering and science related problems
  - Responsibilities included lecture planning, student assessment, preparation of assignments and presentations and maintenance of documentation as per the prescribed quality policy.
- **Online Tutor Of Mathematics [Aug 2024 - Present ]**

- Adapted instructional methods to suit diverse learning styles, including visual, auditory, and kinesthetic approaches.
- Explained concepts using clear, concise language supported by relevant examples.
- Maintained student engagement by linking mathematical and physical concepts to real-world applications.
- Structured lessons at an appropriate pace to allow students sufficient time to grasp challenging topics.
- Guided students through step-by-step problem-solving techniques in mathematics.
- Encouraged critical thinking and independent problem-solving.
- Demonstrated familiarity with examination-style questions and effective strategies for approaching them.

➤ **Mathematics Teacher, Happy Palace Group of School Ispahani Campus Karachi Pakistan. [May 2024 - Dec 2024 ]**

- Taught secondary-level and O level Mathematics using well-structured weekly lesson plans, ongoing assessments, monitoring student progress.
- Enhanced problem-solving skills by highlighting multiple solution strategies and the broader application of mathematics beyond textbook examples.
- Applied a range of teaching approaches to address diverse learning styles and academic needs.

➤ **Mathematics Lecturer, Bahria College Karsaz Karachi Pakistan. [Oct 2022 - July 2023]**

- Taught secondary-level Mathematics courses (D-series) with a strong emphasis on strengthening foundational concepts and conceptual understanding.
- Designed, developed and regularly updated teaching materials in alignment with the approved syllabus and curriculum objectives.
- Managed classroom activities effectively to maintain discipline and ensure a focused, productive learning environment.
- Used different teaching methods to support students with varied learning styles and needs.
- Developed problem-solving skills by teaching multiple ways to solve problems and showing how mathematics applies beyond textbooks.

## Thesis

- Title: “**Socio-Economic class and its impact on the academic excellence of University Students**”
- Mini project on “**Correlation between video games and Adolescent behaviour**”

## Subject Taught At NEDUET

- Multivariate Calculus
- Quantitative Reasoning
- Linear Algebra and Fourier series
- Ordinary Differential Equation
- Probability and Statistics

## Skills

- MS Office
- SPSS

- Graphic Design
- UI UX Design

## Achievements / Certifications

- Diploma in Full Stack Graphic and UI/ UX Design
- 1 year Diploma in English Language Course
- Proficient in MS Office