

MAHAM AJMAL

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Objective

Passionate and dedicated teacher. Skilled in curriculum development, lesson planning, and classroom management. Seeking a teaching position where I can utilize my expertise to foster a positive learning environment and inspire students to achieve academic success.

Education

NED University of Engineering & Technology Karachi.

2019-2022

MS (Physics)

CGPA 3.7

NED University of Engineering & Technology Karachi.

2015-2019

BS Applied Physics

CGPA 3.0

Khatoon-e-Pakistan Govt Degree College Karachi.

2013-15

Intermediate Pre-Eng

A Grade 75.09%.

Experience

NED University of Engineering & Technology

Physics Lecturer

August 2025 - Present

NED University of Engineering & Technology

Lecturer (Visiting Faculty)

Oct 2023 – July 2025

- Delivering lectures and seminars on specific topics within the lecturer's area of expertise.
- Developing course materials, such as syllabi, lecture notes, and assignments.
- Assessing student learning through examinations, papers, and projects.
- Providing academic support and guidance to students
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Silverlight Research Expert Network

Research Analyst (Remote)

AM&DC at PNET (Pakistan Navy Education Trust) Physics Subject

Sep2020 – Aug 2023

Auditor

- Conduct audit visits in different Navy schools. Create &
- implement Physics Curriculum Checking exam copies &
- assessments.

COWASJEE School (NEDUET) IX & X

Physics Teacher

Nov 2020 – April 2021

- Plan and deliver lectures as per syllabus.
- Conduct hourly test and exams
- Deliver lecture with the help of interactive example

PCSIR (Pakistan Council of Scientific & Industrial Research)

Sept 2018 - Oct 2018

Intern

- Lab Managements.
- Constructed experimental research on instruments relevant to the domain of material analysis. Conducting different tests in labs.
- Completing small tasks assigned by supervisor.

Skills

- Effective Communication
- Classroom Management
- Quick Learner
- Teaching & Elaborating skills
- Student Engagement
- Technology Integration
- Passion for Teaching
- Online Teaching, Time management
- Research
- MS office, Presentations skills, Lecture preparation, Online Teaching, Time management, MS office, Presentations skills, Lecture preparation

Development

- Attended Seminar on Radiation physics by PNRA organized by Physics Department NED University of Engineering and Technology in August 2017.
- Attended seminar on quantum computing held in Physics Department of NED University of Engineering and Technology.
- Attended workshop on Solar cell organized by Green Electronic Society in NED University of Engineering and Technology.
- Attended a workshop on FYP organized by IEEE IAS Society in NED University of Engineering and Technology in February 2018.
- Attended a workshop on Physics & Operation of Cyber-Knife at JPMC in 15th September 2021.
- Presented ISP in IICC conference organized by Chemistry Department NED University of Engineering and Technology in 2023

Research

FYP Thesis

Study of the Adsorption Properties of Activated Carbon Produced By Tea, Potato Peel and Peanut Shell Waste

ISP

Estimating the decolorization power of activated carbon prepared by parts of Eucalyptus tree.

Project

Power Supply, dye-sensitized solar cell, Light sensor arduino, Sound sensor Arduino

Language

- Urdu (Native)
- English (Fluent)