



### OBJECTIVE:

To work in the field of scientific research and education and play my part for the development and advancement of science and technology. Be a globetrotter, so that I may share the knowledge that I possess with the whole World

### CONTACT

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923218776722

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### HOBBIES

- Reading (scientific journals, articles and papers), writing (academic, philosophy)
- Music
- Watching Dramas
- Using social media

## AYESHA KHURSHID

### Lecturer, NEDUET

#### EDUCATION

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- M.S. Physics from NED University of Engineering & Technology
- M. Sc in Applied Physics from University of Karachi
- B. Sc in Physics from university of Karachi
- H. Sc from Army Public school and college

#### WORK EXPERIENCE

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- Lecturer – Physics Department NED University of Engineering & Technology June 2023 to date
- Contract Lecturer – Physics Department NED University of Engineering & Technology April 2019 to June 2023

#### RESPONSIBILITIES

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- Class Advisor of SSAP
- Teaching courses: PH-204 (Material science), PH-201 (Optics) and Applied Physics (PH-122) - Teaching course PH-521 (Optical Physics and Lasers in MS. Physics)
- Conducting Labs of PH-106 (Physics Lab II), PH-203 (Physics Lab III) and Applied Physics Lab (PH-122)
- Focal Person of Community work
- Factotum of semester examination
- Official Website content manager

#### RESEARCH AREAS

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- Climate Variability and Climate Change in light of Physics: A mini review
- Calculate the Ground State Energy of molecule cation  $2+$ .
- Calculate Ground State Energy of hydro helium cation by using Restricted open shell hartree fock method

## **FINAL YEAR PROJECT SUPERVISOR/CO-SUPERVISOR**

- Design an Infrared Probe for Non-Invasive Organ Monitoring in Animals
- Development of a Physical Condition Monitoring Device
- Designing of Smart Hand Gesture Communicator by using Microcontrollers.
- Synthesis and formation of biodegradable plastic by using naturally occurring resources.
- Bunker shielding design of C-Linac (clinical) and CO-60 machines,
- evaluation and onsite verification

## **ACHIEVEMENTS & CERTIFICATES**

- Certificate on Latex
- Certificate on Quantum Computing for Beginner from Khwarizmi Science Series Society
- Certificate of Publicity head at 1st International Conference on Applied Physics and Engineering (ICAPE-21) at NEDUET