

# HAFIZ MUHAMMAD USAMA BIN AYUB

House No: L, 101 Rafi Gardens Aman-a-baad Malir City Karachi

Cell # 03152050104 / PTCL # 021-34112410

Email: [usamaayub@neduet.edu.pk](mailto:usamaayub@neduet.edu.pk) / [usamaayub20@hotmail.com](mailto:usamaayub20@hotmail.com)



## OBJECTIVE:

To secure a position in this organization where I can enhance my skills and contribute to the growth of this organization.

## Scholastics

PhD	(In Progress)	Institute of Space Science & Technology University of Karachi
M.S (Physics)	2019	Dept. of Physics NED University of Engineering and Technology
M.Sc. (Applied Physics with Specialization in Electronics)	2015	Dept. of Applied Physics University of Karachi
B.Sc. (Hons.) (Applied Physics with Specialization in Electronics)	2014	Dept. of Applied Physics University of Karachi
Intermediate (Pre-Engineering)	2010	Board OF Intermediate Education Karachi
Matriculation (Science)	2008	Board of Secondary Education Karachi
Hifz-ul-Quran	2007	Board of Wifaq-ul-Madaris Pakistan

## Strengths

- ✓ Time management
- ✓ Focus on work precision
- ✓ Commitment to work
- Leadership
- Team player
- Positive thinking

## Achievement

- Got **First position** in project exhibition at Talent Expo Karachi 2015 held at Expo Center Karachi.

## Publications:

- Research paper titled “Controlling of Home Devices by using MTMF Techniques without using IC” published in HEC Recognized Journal named “Journal of Nano-Scope” in December 2021.
- Research paper titled “Technical and Financial Analysis of the Solar Energy Harnessing in Karachi” published in HEC Recognized Journal named “Journal of Nano-Scope” in June 2022.
- Research paper titled “Wireless Transmission of Solar Panel Energy with the help of Mutual Induction” published in HEC Recognized Turkish Journal named “Sigma Journal of Engineering & Natural Sciences” in September 2022.

## Skills

- Ms Windows 98/Xp/7/8/10
- Ms Office
- Internet explorer/Email
- Ms Excel
- Power Point
- Google Classroom
- Google Meeting
- Microsoft Teams
- Zoom

## Experience:

- Working as a **Lecturer in Department of Physics, NED University of Engineering and Technology, Karachi from September 2022.**
- Worked as a **Cooperative Teacher on Contract in Department of Physics, NED University of Engineering and Technology, Karachi from August 2016 and August 2022.**
- Additionally, working as a **Final Year Class Advisor** for BS Applied Physics program in **Department of Physics, NED University of Engineering and Technology, Karachi.**
- Worked as a Visiting Faculty in Evening Program in Institute of Space Science and Technology, University of Karachi from July 2019 to December 2020.
- Worked as a *Secondary School Teacher* in **Jamia Bait-ul-Quran (Regd.)** from **April 2010 to March 2011.**

## Conferences and Workshops:

- Worked as a **Member Organizing Committee** for **1<sup>st</sup> International Conference on Applied Physics and Engineering** at NED University on 16<sup>th</sup> – 17<sup>th</sup> September 2021.
- Attend **International Workshop on Tracking Detectors in High Energy Physics** at **National Center for Physics, Islamabad** from 15<sup>th</sup> – 19<sup>th</sup> October, 2018.
- Attend **8<sup>th</sup> School on LHC Physics** at **National Center for Physics, Islamabad** from 19<sup>th</sup> – 30<sup>th</sup> August, 2019.
- Attend **First School on Advanced Topics in Particle Physics and Cosmology** at **National Center for Physics, Islamabad** from 2<sup>nd</sup> – 20<sup>th</sup> September, 2019.
- Worked as a Part-time **Electronics Lab Teacher** in **Institute of Space and Planetary Astrophysics, University of Karachi** from **January 2016 to June 2016.**
- **Developed and Managed Electronics Lab** in **Institute of Space and Planetary Astrophysics, University of Karachi.**
- Done **Internship** from **PCSIR** from Applied Physics Research Center Karachi from **December 2012 to January 2013**
- 2 weeks training from **PCSIR** on “**AVR-Microcontroller Utilization**” @ Instrumentation section, APC & IC
- 2 weeks training from **PCSIR** on **CNC Machine**

## **Personal:**

Father's Name: Prof. Dr. M. Ayub Khan Yousuf Zai  
Date of Birth: 19<sup>th</sup> August 1990  
N.I.C: 42201-3758250-7  
Nationality: Pakistani  
Religion: Islam  
Domicile / PRC: Sindh Urban  
Marital Status: Married  
Languages: Urdu, English

## **Reference**

Will be furnished upon request