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# Muhammad Zaka

(Video CV @ <http://www.youtube.com/watch?v=vdMBCUfScE>)

## Objective

In search of a creative and reputed organization, where I could use and enhance my knowledge and skills to explore new dimensions in the field of Physics and Science Education.

## Summary of qualifications

I am an **IC3** and **Apple** certified Physics teacher with **IELTS 7.0** (L: 7.5, R: 5.5, W: 7.5, S: 7.5) and over 10 years of teaching experience in American Curriculum schools in UAE. **I was a presenter in IAT Tech 2017.** I have done M.Phil in Theoretical Particle Physics from Quaid-i-Azam University Islamabad, Pakistan. In my Masters in Physics, I specialized in Digital Electronics. I received training in Teaching of Science and Mathematics from University of Melbourne, Australia. I also participated in several international research workshops on Physics and Cosmology in Italy, Thailand, Vietnam and Pakistan.

## Educational Qualification

<i>M. Phil Physics</i> (1998-2000)	Quaid-e-Azam University Islamabad	Pakistan
<i>MSc Physics</i> (1993-1995)	University of the Punjab Lahore	Pakistan

## Professional Qualification

<i>Certificate in Teaching of Science and Mathematics</i> Nov - Dec 2004	University of Melbourne Victoria	Australia
<b>Bachelor in Education (B.Ed)</b> 1992—1993	University of the Punjab	Pakistan

## Professional experience (15+ years)

2016 - date	<b>Adveti</b>	<b>Abu Dhabi</b>
<b>Physics Teacher</b> Teaching Grades 10–11 (IAT Delma)		
2015 -16	<b>Adveti</b>	<b>Abu Dhabi</b>
<b>Physics Teacher</b> Teaching Grades 10–11 (IAT Fujairah)		
2014 - 2015	<b>AWAPS</b>	<b>Abu Dhabi</b>
<b>Physics Teacher</b> Teaching Grades 9–12 (American / British Curriculum)		
Sep 2013 – Jul 2014	<b>EFIPS</b>	<b>Al Ain</b>
<b>Physics Teacher</b> Teaching Grades 9 and 4 (American Curriculum)		

Sep 2010 – Jul 13	<b>ANASPS</b>	<b>Al Ain</b>
<b>Physics Teacher</b>		
Teaching Grades 9 – 12 ( <b>American Curriculum</b> )		
Oct 2006- Jul'10	<b>English Language School</b>	<b>Dubai</b>
<b>Physics Teacher</b>		
Teaching A-Level Physics ( <b>British Curriculum</b> )		
May'05- Oct'06	<b>WAPDA Cadet College, Tarbela</b>	Pakistan
<b>Vice Principal</b>		
<b>(British and FBISE Curriculum)</b>		
<b>All the duties in a residential institution.</b>		
Nov 2003—May 2005	<b>SEP II, MoE</b>	Pakistan
<b>Subject Specialist (Physics)</b>		
<b>Job description given under a separate heading.</b>		
Dec 1997—Nov 2003	Govt. College Kahuta, RWP	Pakistan
<b>Lecturer in Physics</b>		
<b>Teaching Physics to B.Sc and HSSC students.</b>		
<b>Recommended book for B.Sc is Physics by Halliday, Resnick and Krane</b>		

## Distinctions

- I have participated in research schools held in **Thailand, Vietnam, Italy and Pakistan** where selection was made on merit and I was offered full financial support for traveling and living. NATO Advance Study Centre also selected me for participation in school on Astroparticle Physics.
- I got **merit position** in the written test and interview held by Federal Public Service Commission (**FPSC**), Govt of Pakistan Islamabad for the post of Vice Principal.

## Seminars and Workshops

- **10th Viet Nam School on Physics** (Dec'03 to Jan'04)  
Organizers: Institute of Physics, Hanoi, Viet Nam.
- **Second Tha Poe School on Cosmology**, April 2003  
Naresuan University Phitsanulok, Thailand.  
Organizers: Tha Poe Group of Theoretical Physics Thailand.
- **School on Astroparticle Physics** in Sep. 2002  
Organizers: NATO Advance Study Centre, Italy.
- **27th International Nathia Gali Summer College on Physics & Contemporary Needs** 2002.  
Organizers: Pakistan Atomic Energy Commission
- **2nd Workshop on Particle Physics 2001**  
Organizers: CERN & National Center for Physics  
Quaid-e-Azam University Islamabad, Pakistan

## Ed. Project

### Science Education Project SEP II (Nov 2003—May 2005)

I worked as Subject Specialist in Second Science Education Project (SEP-II), funded by the Asian Development Bank, at National Institute of Science and Technical Education (NISTE) Islamabad, where I conducted / participated the following activities:

- Development of low cost class activities for the promotion of science education with JAICA senior volunteer Mr. Takeshi Somukawa.
- Training of secondary science teachers from all over the country.
- Carried out review / preview of Video Text Books developed by Allama Iqbal Open University Islamabad as expert in Physics from NISTE.
- Review / rewriting of science textbooks, at elementary level, developed by NISTE.
- Teaching Physics to B.Tech students.
- Contributed in evaluation of ICT schools.
  
- Received training from University of Melbourne Australia in “Teaching of Science and Mathematics for Master Trainers”.
- Organized discussion sessions for the development of science education in Pakistan.
- Carryout comparative study of curriculum of Pakistan in science education with the curricula of some other countries.

## Administrative Experience

- Vice Principal WCCT Pakistan
- As Head of Physics Department in Government College Kahuta, Pakistan.
- As a Subject Specialist in Science Education Project SEP II.
- As a Coordinator in Institute of O and A level Studies.

## Skill Matrix

### Teaching Tools:

- Interactive Digital Board
- Multimedia
- **Apple certified teacher**

## Soft Skills

- Flexible Attitude
- Ability to work in a group
- Hardworking
- Result Oriented