

# Curriculum Vitae

Name: Muhammad Riaz  
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Nationality: Pakistani  
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Address: Department of Physics,  
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Lahore- 54590, Pakistan  
Present Position: Lecturer



## 1. ACADEMIC QUALIFICATION

<i>Degree</i>	<i>Period (Years)</i>	<i>Institution Attended</i>	<i>Subject</i>
M. Sc.	Sep2001-July2003	The Islamia University, Bahawalpur, Pakistan.	Physics
B. Sc.	Sep1999-May2001	University of the Punjab, Lahore-54590, Pakistan	Math (A&B) and Physics
F. Sc.	Sep1997-May1999	Federal Board Islamabad	Pre-Engineering
Matric	Apr 1995-Apr 1997	Federal Board Islamabad	Science

## 2. AWARDS/MEDALS/SCHOLARSHIPS

- 2<sup>nd</sup> Position (**Silver Medal**) in M.Sc. Examination at The Islamia University, Bahawalpur.
- Got the merit scholarship during M.Sc. at The Islamia University, Bahawalpur.
- Participated in the Pakistan Television (PTV) Talk Show "Youth Assembly" at Islamabad centre on April30,2003 from Department of Physics, The Islamia University, Bahawalpur.

### **3. EXPERIENCE**

<i>Academic Position</i>	<i>Institution</i>	<i>Period</i>
• Lecturer in Physics	Department of physics, University of the Punjab Lahore- 54590, Pakistan.	July05, 2004- to date
• Lecturer in Physics (On contract basis)	F.G. Degree College, Gujranwala Cantt.	Oct13,2003-May31,2004

### **4. RESEARCH INTERESTS**

- Condensed matter physics
- Physics of semiconductor devices
- Photonics

### **5. TEACHING EXPERIENCE**

- Taught the following courses at the University of The Punjab, Lahore, Pakistan.
  1. Phys 1206, (*Electricity and Magnetism*), B.Sc. Honors
  2. Phys 504, (*Electronics circuits and devices*), B.Sc. Honors & M.Sc. Part-I
  3. Phys 506, (*Analog Electronics Laboratory -I and II*), M.Sc. Part-I
  4. Phys 401, (*Mathematical Methods Of Physics-I*), B.Sc. Honors
  5. Phys 3501, (*Classical Mechanics*), M.Sc and B.Sc. Honors
  6. Phys 1202, (*Thermodynamics & Kinetic Theory*), B.Sc. Honors
  7. Phys 1103, (*Thermodynamics & Kinetic Theory*), B.Sc. Honors  
(Micro Electronics Research Centre, University of the Punjab, Lahore.)
  8. MAT/PHYS 1106 (*Electricity and Magnetism*), B.Sc. Honors  
(Department of Mathematics, University of the Punjab, Lahore)
  9. MAT/PHYS 1206 (*Electricity and Magnetism*), B.Sc. Honors  
(Department of Mathematics, University of the Punjab, Lahore)
  10. MAT 1203, (*Mechanics and Vector Analysis*), B.Sc. Honors  
(Department of Space Science, University of the Punjab, Lahore)
- **Current work load**
  1. Phys 504, (*Electronics circuits and devices*), B.Sc. Honors & M.Sc.
  2. Phys 506, (*Analog Electronics Laboratory -I and II*), B.Sc. Honors & M.Sc.
  3. Phys 1202, (*Thermodynamics & Kinetic Theory*), B.Sc. Honors

## **6. TECHNICAL SKILLS**

- Over three years of demonstrating experience in electronics laboratory at department of Physics, University of the Punjab, Lahore, Pakistan.
- Setting up of new experiments in the M.Sc. and B.Sc. Electronics laboratory.
- Helping students in different projects.

## **7. COMPUTER SKILLS**

- C Language
- Computational Physics
- Internet

## **8. LANGUAGE SKILLS**

- Urdu, native speaker
- Hindko, mother tongue
- Punjabi, native speaker
- English, conversational

## **8. MEMBERSHIPS AND ACTIVITIES IN PROFESSIONAL ASSOCIATIONS**

- Life member, Pakistan Institute of Physics (PIP).
- Team member Quality Enhancement Cell (QEC), University of the Punjab, Lahore, Pakistan.

## **9. PROFESSIONAL HONORS, AWARDS AND FELLOWSHIPS**

- Guest Lecturer, Department of Mathematics, University of the Punjab, Lahore.
- Guest Lecturer, Micro Electronics Research Centre, University of the Punjab, Lahore.
- Guest Lecturer, Department of Space Science, University of the Punjab, Lahore.
- Assistant Superintendent (1-Year Experience, August 2005- August 2006)  
Hazrat Abu Bakar Siddique Hall (Boys' Hostel No. 19), University of the Punjab, Lahore.
- Got the best attendance and model discipline certificate  
**HEC** Staff Development Course 2005  
Held from May 9<sup>th</sup> –June 4<sup>th</sup>, 2005  
At Human Resources Development Centre (**HRDC**)  
University of the Punjab, Lahore, Pakistan.

## **10. CONFERENCES/WORKSHOPS ATTENDED**

1. *Participated in a public lecture by Douglas D. Osheroff, Professor Stanford University, Stanford, CA, USA .*  
1996 Nobel Laureate in Physics “*for discovery of superfluidity in helium-3*”  
Held on 31st March, 2007  
At Department of Physics  
University of the Punjab, Lahore-Pakistan.
2. *Participated in a workshop on **INNOVATIONS IN ASSESSMENT***  
Under the Quality Enhancement Cell (QEC)  
Held on 15<sup>th</sup> January, 2007  
At the Faculty of Engineering and Technology  
University of the Punjab, Lahore-Pakistan
3. *Seventh **HRDC** Faculty Orientation Program*  
Held from 3<sup>rd</sup> -14<sup>th</sup> October, 2005  
At Human Resources Development Centre (**HRDC**)  
University of the Punjab, Lahore-Pakistan.
4. ***HEC** Staff Development Course 2005*  
Under the scheme **NATIONAL ACADEMY OF HIGHER EDUCATION**  
Held from May 9<sup>th</sup> –June 4<sup>th</sup>, 2005  
At Human Resources Development Centre (**HRDC**)  
University of the Punjab, Lahore, Pakistan.

## **11. REFERENCES**

1. Prof. Dr. Mujahid Kamran, Chairman, Department of Physics, University of the Punjab, Quaid-I-Azam Campus, Lahore, Pakistan.  
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2. Prof. Dr. Khadim Hussain, Ex-Chairman, Department of Physics, University of the Punjab, Quaid-I-Azam Campus, Lahore, Pakistan.  
**e-mail:** [dr.k.hussain@gmail.com](mailto:dr.k.hussain@gmail.com)
3. Prof. Dr. Muhammad Afzal Khan, Department of Physics, The Islamia University of Bahawalpur, Baghdad-UI-Jadeed Campus, Bahawalpur, Pakistan.  
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