

# Rabia Jamshaid

Lecturer Electrical Engineering, NUST, Islamabad,  
Pakistan

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Electrical Engineering graduate from top ranked engineering university of Pakistan with work experience in design and fabrication of MEMS devices. My aim is to obtain a position as a lecturer in electrical engineering to use my strong passion for teaching together with research skills and experience. This will enable me to nourish my teaching abilities, research aptitude and knowledge of electrical engineering subjects.

## Work experience

<b>Dates</b>	<b>October 2016 – Present</b>
<b>Occupation or position held</b>	<b>Lecturer, Electrical Engineering</b>
Name and address of employer	Department of Mechatronics Engineering, College of E&ME, NUST, Pakistan
<b>Dates</b>	<b>September 2014 – June 2015</b>
<b>Occupation or position held</b>	<b>Research Assistant with Dr. Tahir Zaidi</b>
Main activities and responsibilities	Worked and assisted in different research projects. Prepared lecture slides for graduate level course "Thin Film Technology". Delivered lectures in Digital Logic Design and Electronics lab. Delivered lectures about lab equipment and experimental procedures. Helped undergraduate students to perform their lab and final year projects.
Name and address of employer	Department of Electrical Engineering, College of E&ME, NUST, Pakistan
Type of business or sector	University
<b>Dates</b>	<b>August 2012 – June 2013</b>
<b>Occupation or position held</b>	<b>Lecturer, Electrical Engineering</b>
Main activities and responsibilities	Delivered lectures on Basic Electronics to BTech Level
Name and address of employer	The City College of Technology, Multan, Pakistan
<b>Dates</b>	<b>June 2012 – July 2012</b>
<b>Occupation or position held</b>	<b>Intern</b>
Name and address of Employer	Thermal Power Plant, Muzaffargarh, Pakistan
Type of business or sector	Industry
<b>Dates</b>	<b>July 2010 – August 2010</b>
<b>Occupation or position held</b>	<b>Intern</b>
Name and address of employer	Orient Group of Companies (OGC) Lahore, Pakistan
Type of business or sector	Private Sector

<b>Education and training</b>	
<b>Dates</b>	<b>September 2013 – September 2015</b>
<b>Title of qualification</b>	<b>Master of Science in Electrical Engineering</b>
<b>CGPA</b>	<b>3.80/4.0</b>
Principal subjects/occupational skills covered	Quantum Mechanics, Semiconductor Processing, Semiconductor Device Physics, Solid State Electronics, Thin Film Processing, Numerical Analysis, Advanced Topics in Solid State Electronics, Microelectromechanical Systems
Name and type of organisation providing education and training	Department of Electrical Engineering, College of Electrical and Mechanical Engineering, National University of Sciences and Technology, Islamabad, 44000, Pakistan
<b>Dates</b>	<b>September 2007 - September 2011</b>
<b>Title of qualification awarded</b>	<b>Bachelor of Science in Electrical Engineering</b>
<b>CGPA</b>	<b>3.29/4.0</b>
Principal subjects/occupational skills covered	Electric Circuits, Advance Computer Programming, Control Systems, Electronic Devices and Circuits, Communication Systems, Microwave Engineering, Power Electronics, Discrete Time Signal Processing.
Name and type of organisation providing education and training	Department of Electrical Engineering, The University of Punjab, Lahore, Pakistan
<b>Dates</b>	<b>2005 – 2007</b>
<b>Title of qualification awarded</b>	<b>Higher Secondary School Certificate</b>
<b>Grade</b>	<b>A</b>
Principal subjects/occupational skills covered	Physics, Chemistry, Math.
Name and type of organisation providing education and training	Board of Intermediate and Secondary Education, Multan, 60000, Pakistan.
<b>Publications</b>	<ol style="list-style-type: none"> <li>1) Rabia Jamshaid, Imran Aziz, Tahir Zaidi, Imran Akhtar, 2016, "Numerical Simulation of Heat Transfer to Optimize DNA Amplification in Polymerase Chain Reaction", <i>13th International Bhurban Conference on Applied Sciences &amp; Technology</i>, 12-16 January, 2016, Islamabad Pakistan.</li> <li>2) Rabia Jamshaid, Imran Aziz, Tahir Zaidi, Imran Akhtar, "Glass Based Polymerase Chain Reaction Device for DNA Amplification", <i>12th International Conference on High-capacity Optical Networks and Enabling / Emerging Technologies</i>, 21-23 December, 2015, Islamabad, Pakistan.</li> </ol>
<b>Softwares and Skills</b>	<p>Good Verbal and Nonverbal Communication Skills in English.</p> <p>Experience in using softwares i.e. Visual Studio, Matlab, Microcontroller, Multisim, PSpice, Portel / Atium, Simulink, MS Office and Proteus for solving Electrical Engineering Problems</p> <p>Hands on experience in Micro Fabrication.</p> <p>Experience of using Pro Engineer and ANSYS software.</p>
<b>Achievements</b>	<p>Received Full Merit Scholarship during Intermediate by Punjab Group of Colleges (PGC) Multan.</p> <p>Received Full Merit Endowment Scholarship during Masters by NUST Islamabad.</p>
<b>Contactable Referees</b>	<p>Imran Akhtar, PhD from Virginia Tech (USA)  Assistant Professor, Department of Mechanical Engineering, CEME, NUST, Pakistan  Email : <a href="mailto:imranvt@gmail.com">imranvt@gmail.com</a></p> <p>Dr Tahir Zaidi, PhD from Virginia Tech (USA)  Associate Professor, Department of Electrical Engineering, CEME, NUST, Pakistan</p>

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