

CURRICULUM VITAE

Ignatius Preetesh Pinto

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College of Arts and Sciences
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PROFESSIONAL EXPERIENCE

Teaching Assistant (2012 – Present)

Department of Mathematics, Statistics and Physics
College of Arts and Sciences
Qatar University
Doha, Qatar.

Lecturer (2008 – 2012)

Department of Physics
St. Aloysius Pre University College, Mangalore
Karnataka, India.

EDUCATION

Master of Science in Physics (Crystal Physics) (2008)

Christ College (*Present Christ University*) affiliated to
Bangalore University, Bangalore, Karnataka, India.

Bachelor of Science in Physics, Mathematics, Electronics (2005)

K.G.F First Grade College, Bangalore University, Kolar
Gold Field, Karnataka, India.

TEACHING INTEREST

Engineering Students (2012 – Present)

Experimental General Physics for Engineering I and II
Qatar University

Pre University Students (2008 – 2012)

Dynamics, Statics, Fluid Mechanics, Heat and
Thermodynamics, Waves and Sounds, Astrophysics,
Geometrical Optics, Physical Optics, Electrostatics,
Electricity, Atomic Physics.

**RELATED
TEACHING
EXPERIENCE**

Lecturer – Physics Department

- Demonstrated and monitored lab experiments.
- Graded and evaluated homework and lab reports.
- Trained students to answer various competitive exams for Engineering and medical courses.
 - Indian Institute of Technology (IIT)
 - All India Engineering Entrance Exam (AIEEE)
 - All India Institute of Medical Science (AIIMS)
 - All India Pre Medical Test (AIPMT)
 - Karnataka Common Entrance Test (KCET)

**COMPUTER
SKILLS**

Origin
MS PowerPoint
MS Excel

**TRAINING /
WORKSHOP**

Participated in a training program “Partners for Improved Teaching and Learning” – OFID, Qatar University.

Attended a workshop on “Study of emission from hot diffuse gas with ASTROSAT” jointly organized by Raman Research Institute and Christ College (Autonomous), Bangalore, Karnataka, India.

Participated in National Science Day Program held in the premises of the Inter-University Accelerator Centre, New Delhi, India.

**ACADEMIC
PROJECT**

Completed my M.Sc project on “Phasing of reflections” in Raman Research Institute, Karnataka, India.

**ABOUT THE
PROJECT**

In order to determine the structure of a crystal we expose the crystal sample to x-rays and study the diffraction pattern. The ambiguities found in determining a crystal structure from x-ray diffraction can be resolved if one takes into account the random thermal motion of the atoms. In our project we worked on a sample of egg PC (Phosphatidyl Choline) derived from egg yolk. We could determine the phase by trial and error method in swelling and modeling.

CONFERENCES

Participated in research conference (International Congress of Environmental Research) organized by Journal of Environmental research & Development and Gujarat Pollution control Board and Sardar Vallabhbhai National Institute of Technology, Surat, India.
