

Personal Information

- Name: Aniruddha Biswas
- Date of birth: 16/04/1993
- Permanent address:
Vill- Parbatipur Bazarpara
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- Present address:
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- Nationality: Indian
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- Language: Bengali, English, Hindi



Academic Activities

Examination	Board/University	Year	Grades	Name of the School/Institute
Secondary(10 th)	WBBSE	2009	84.87%	Pritinagar Bhudeb Smriti Vidyapith
Higher Secondary (12 th)	WBCHSE	2011	80.6%	Pritinagar Bhudeb Smriti Vidyapith
Graduation (B.Sc) In Physics	University of Calcutta	2014	63.37%	Seth Anandram Jaipuria College
Post Graduation (M.Sc) in Physics	University of Calcutta	2018	62%	University of Calcutta

Awards & Ranks

- DST–INSPIRE Scholar of the year 2011 (reg. no- 4821/2011)
- CSIR-NET with LS rank- 54 of the June,2016
- GATE 2017 with rank- 1250
- BHU M.Sc entrance rank- 46 of the year 2014
- Bose Institute, Kolkata M.Sc entrance rank- 8 of the year 2014
- University of Calcutta M.Sc entrance rank- 5 of the year 2014

Workshops and Seminars attended

- One day seminar on Physics of Unstable Nuclei by KCCSNS ,2015 (SAJC College)
- A public talk on Future of our Universe by Dr.J.V Narlikar ,2015 (Presidency College)
- Two days DST sponsored workshop on Particle Radiation,2016 (SAJC College)
- One day seminar on Quantum Information by Tal Mor, 2016 (Bose Institute)
- A lecture on Photonic Quantum Computation by Dr. Anirban Pathak, 2017 (IISER-K)
- Workshop on Quantum Optics & Quantum technology – QOQT 2017 (IACS-Kolkata)

Programming and Software Skills

- Python
- FORTRAN
- Origin

Course of Specialization in M.Sc

- Laser Physics (Quantum optics)
- Quantum Electronics
- Non Linear Dynamics

Link of the M.Sc Physics Syllabus: http://physics-caluniv.in/downloads/syllabus_15_v2.pdf

Field of Interests

- Quantum Information Processing and Computation based on ion traps and quantum optical architecture.
- Designing traps for neutral atoms and ions, photonic gates implementation, experimental realization of BEC and Cold atoms using lasers.
- Observation of Quantum Optical effects on atoms and Non-linear Optical effects on matters for the purpose of Quantum Metrology and Quantum technology development.

Laboratory Experience

- Determination of Oxygen absorption line using a diode laser. (M.Sc)
- Determination of Mode Field Diameter & Numerical aperture of an Optical fiber. (M.Sc)
- Entangled Photon detection from BBO crystal using Mach Zehnder Interferometer. (Volunteership,2016, Bose Institute, Kolkata)
- Presently working as Instructor at Delight Physics Lab (UG Physics laboratory)

Future Interests

- MATLAB, LABVIEW, COMSOL skills development.
- Micro-controller (Arduino, Rasp berry pi) programming, Machine learning.
- Electronic devices designing and Instrumentation.

Other Interests

- Playing Badminton and Cricket, trending technology overview, cycling etc.