

# Avik Kr. Basu

*Assistant Professor Of Physics*

Enthusiastic Physics learner eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Clear understanding of tasks & subjects and training in oriented research. Motivated to learn, grow and excel in both Experimental & Theoretical Research-fields.

## Contact

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## Accomplishments

- Successfully completed the Summer School & Refresher Course-2020 (from 11th May- 12th June, 2020) conducted by Inter-University Centre for Astronomy and Astrophysics, Pune under PMMMNMTT Scheme of MHRD, Govt. of India.
- Successfully completed & passed the Course Work Examination conducted by Jadavpur University in

## Work History

**2019-12 -  
Current**

### Assistant Professor of Physics

*Raja Peary Mohan College, Uttarpara, Hooghly, West Bengal*

**2019-07 -  
2019-12**

### Headmaster

*Govt. of West Bengal, Burdwan, West Bengal*

**2006-03 -  
2019-07**

### Assistant Teacher

*Govt. of West Bengal, Dhulagori, Howrah, West Bengal*

## Education & Research Experience

**2015-11 -  
Current**

### Ph.D.: Plasma Physics (registered Under Prof. M. Bose)

*Jadavpur University - Jadavpur, Kolkata*

- Presented a paper in an online international webinar entitled "History of Science" organized by the Department of Chemistry, Shri Shikshyatan College in collaboration with Indian Chemical Society from 27th to 28th July 2020.
- Communicated a paper in the Journal: Physics of Plasma in 2018.
- Presented a paper (poster) in the 33rd National Symposium on "Plasma Science & technology (PLASMA-2018)" jointly organized by the Plasma Science Society of India (PSSI) and Department

March 2018.

- Qualified for LS in the Joint CSIR-UGC NET held in June 2017.
- Participated in the workshop entitled "Learning with Moving Images" conducted by Bichitra Pathshala in association with the Vigyan Prasar and Birla Industrial & Technological Museum at the 7th National Science Film Festival held at BITM on February 14th- 18th, 2017
- Acted as a Project Evaluator at State Level of 21st National Children's Science Congress, 2013.
- Acted as a Project Evaluator at State Level of 20th National Children's Science Congress, 2012.
- Acted as a Project Evaluator at District Level of 20th National Children's Science Congress, 2012.

## Memberships

- Life Member of PSSI (Plasma Science Society of India).
- Life Member of AAPPS-DPP (Division of Plasma Physics, Association of Asia-Pacific Physical

of Physics & Astrophysics, University of Delhi from December 4th-7th, 2018 at Delhi, India.

- Completed a one month on-hand technical training on "Designing and Construction of A Non-Thermal Plasma Jet" from FCIPT division, Institute of Plasma Research, Gandhinagar, Gujrat under Dr. Subroto Mukherjee (Professor & Head- FCIPT division, Institute of Plasma Research, Gandhinagar, Gujrat) in October, 2016.
- Presented a paper (poster) in the one-day seminar on "Some Recent Trends in Research in Physics (SRTRP-2016)" on 21st March 2016 organized by Department of Physics, Jadavpur University at Department of Physics, Jadavpur University, Kolkata, W.B.

**2012-07 -  
2013-09**

### **Bachelor of Education: B.Ed**

*David Hare Training College - Ballygunj, Kolkata*

- Acted as the G.S (General Secretary) of Students' Samsad
- Awarded First Class with 70.4%

**2007-08 -  
2010-08**

### **Master of Science: Physics**

*Jadavpur University - Jadavpur, Kolkata*

- Awarded First Class with 70.56%

**2000-09 -  
2004-09**

### **Bachelor of Science (Hons.): Physics**

*Jadavpur University - Jadavpur, Kolkata*

Passed in 2nd Class (54.26%)

**1998-05 -  
2000-04**

### **Higher Secondary: Science**

*Burdwan Municipal Boys' High School - Burdwan, West Bengal*

- Awarded 1st Div (\* Marks) with 77.8%

**1997-03 -  
1998-03**

### **Madhyamik: General**

*Pancchra S.C.R.S Vidyamandir - Burdwan, West Bengal*

Societies).

- Awarded 1st Div (\* Marks) with 82.5%

## Skills

Hardware & Networking	■■■■■ Excellent
Hardware installations & upgrading	■■■■■ Excellent
Complex computer environments	■■■■■ Excellent
Computer systems knowledge	■■■■■ Excellent
Computer simulations	■■■ ■■ Good
Simulation building	■■■ ■■ Good
Computer proficiency	■■■■■ Excellent
Documentation expertise	■■■■■ Excellent
Research	■■■■■ Excellent
Microsoft Office	■■■■ ■ Very Good
Verbal and written communication	■■■■■ Excellent
Critical thinking	■■■■■ Excellent
Adaptability	■■■■■ Excellent




## Conferences & Seminars

- Participated in a International-level online workshop on “ARDUINO and other Simulated Experimental Techniques” organized by the Department of Physics, Victoria Institution (College) from 1st to 2nd July 2020.
- Participated in an online international webinar entitled “Quantum Biology in Nature” organized by the Department of Physics in association with IQAC, Raja Peary Mohan College on 14th August 2020.
- Participated in an online International webinar entitled “Design and Applications of Artificial Molecular Machines” and “Origin and Evolution of RNAs and Proteins” organized by the Department of Chemistry and the Department of Zoology in association with IQAC, Raja Peary Mohan College on 12th August 2020.
- Presented a paper in an online International webinar entitled “History of Science” organized by the Department of Chemistry, Shri Shikshyatan College in collaboration with Indian Chemical Society from 27th to 28th July 2020.
- Participated in an online International webinar entitled “Recent Astrophysical Research in Black Holes and Evolution of Galaxies” organized by the Department of Physics, Acharya Prafulla Chandra College on 20th July 2020.
- Participated in an online outreach webinar entitled “A New View of the Solar System” organized by the Department of Physics, Surendranath College on 08th July 2020.
- Participated in an online International webinar entitled “Recent Advancement of Plasma Science and Astrophysics” organized by the Department of Physics, Alipurduar College on 08th July 2020.

Proposal writing  Very Good

## Softwares

Windows 10,8,7  Excellent

Ubuntu Linux  Good

Fortran  Very Good

C  Average

Python  Average

Matlab  Average

OBS Studio  Excellent

GNU Plot  Average

## Languages

Bengali  Excellent

English  Excellent

Hindi  Very Good

- Participated in a National-level online workshop on Python Computing entitled “Teaching Physics at the UG & PG Level using Python” organized by the Department of Physics, Victoria Institution (College) in collaboration with UGC-DAE Consortium for Scientific Research, Kolkata Centre from 06th to 10th July 2020.
- Participated in an online National webinar entitled “Advancement of Plasma Physics and Nanoscience” organized by the Department of Physics, Kharagpur College on 30th June 2020.
- Participated in a National-level online workshop on Python Computing entitled “Python for a Cause” organized by Teach Python in association with the Indian Institute of Science Education and Research (IISER)- Kolkata from 12th to 24th June 2020.

## Favorite Pass Time

Playing Guitar & Singing

Reading Story Books

Watching Hollywood Movies & Web Series

Playing Indoor & Outdoor Games