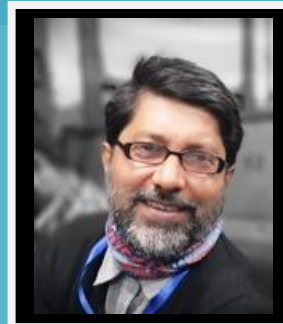




FACULTY PROFILE

DR. ARINDAM CHAKRABARTI

ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS
KHATRA ADIBASI MAHAVIDYALAYA
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Google Sites link: <https://sites.google.com/view/dr-arindam-chakrabarti/home>

Technical Skills: Worked in the field of **Experimental Physics**. So can improvise some experimental setup (related to Physics)/gadgets by myself.

Softwares: Microcal **Origin**, Autodesk **Maya** Basics, Wolfram **Mathematica**, Adobe **Photoshop**, **Corel Draw**.

Current Status: Joined **Khatra Adibasi Mahavidyalaya** on 17th Dec 2019 as Assistant Professor in Physics and Serving for the Degree-college (UG); **Department of Physics affiliated to University of Bankura**

Conducting teaching: (i) SH/PHS/102/C-2 **Mechanics**

- (ii) SP/PHS/101/C-1A **Physics-I** Module 6 to 9
- (iii) SH/PHS/302/C-6 **Thermal Physics** Module 4 & 5
- (iv) SH/PHS/303/C-7 **Digital Systems and Applications**
- (v) SH/PHS/304/GE-3 **Physical Optics and Modern Physics** Module 1 to 3
- (vi) SH/PHS/305/SEC-1 **Renewable Energy & Energy Harvesting**
- (vii) SP/PHS/301/C-1C **Physics-III** Module 1 to 3
- (viii) SP/PHS/304/SEC-1 **Renewable Energy & Energy Harvesting**
- (ix) SP/PHS/504/SEC-3 **Electrical Circuits and Network Skills**
- (x) SH/PHS/201/C-3 **Electricity and Magnetism**
- (xi) SH/PHS/203/GE-2 **Electromagnetism and Thermal Physics** Module 4 & 5
- (xii) SP/PHS/201/C-1B **Physics-II** Module 1 & 2
- (xiii) SH/PHS/403/C-10 **Analogue Systems and Applications**
- (xiv) SH/PHS/404/GE-4 **Electronics and Instrumentation**
- (xv) SP/PHS/401/C-1D **Physics-IV**
- (xvi) SH/PHS/601/C-13 **Electromagnetic Theory**
- (xvii) SH/PHS/604/DSE-4 **Communication Electronics**
- (xviii) SP/PHS/604/SEC-4 **Basic Instrumentation Skills**

Previous activities: Joined **Ideal Institute of Engineering** at Kalyani Nadia W.B. on 1st September 2012 as an Assistant Professor in Physics and served for the **B.Tech(UG)-college**. Affiliated to **MAKAUT** and approved by **AICTE** & left the institute on 16th December 2019.

- Subject taught:** (i) **Physics-I** (PH101, PH201) for 1st year CE,ME,CSC,EE and ECE and Engineering Physics Lab (PH191 and PH291).
- (ii) **Physics-II** (PH301, PH401, PH(EE)401) for 2nd year CE, ME, CSE, EE and ECE and Engineering Physics Lab (PH291 and PH491)
- (iii) **Field Theory** (EE302) for 2nd year EE.
- (iv) **EM Theory and Transmission Lines** (EC401) for 2nd year ECE.

Early Teaching and Research:

Worked as **Visiting Faculty** at **MCKV Institute of Engineering, Liluah, Howrah – 711204** for the **Odd semester 2011**(August 2011-December 2011).

Started my research work from 18th February 2006 with **UGC(JRF)** fellowship under the supervision of **Prof. C. Neogy** at the **Department of Physics, University of Kalyani**. The **Ph.D.** degree has been awarded on **15th December 2014**.

Thesis title: “GENERALIZED EXPERIMENTAL MODELING FOR COMPLEX CONDUCTIVITY AND ESTIMATION OF CRITICAL EXPONENTS FOR YBCO MATERIALS”.

Academic Profile:

Examination/ Degree	Board/University	School/College/University	Year of Passing
Secondary	W.B. Board of Secondary Examination	Kanailal Vidyamandir, Chandernagore, Hooghly	1996
Higher Secondary	W.B. Council of Higher Secondary Examination	Kanailal Vidyamandir, Chandernagore, Hooghly	1998
B.Sc.	University of Burdwan	Chandernagore Govt. College, Chandernagore, Hooghly	2001
M.Sc.	University of Kalyani	University of Kalyani, Kalyani Nadia	2004
Ph.D.	University of Kalyani	University of Kalyani, Deptt. of Physics, under the supervision of Prof. C. Neogy	15 th Dec 2014

National Level Exam & Fellowship:

Exam.& Fellowship	Year
NET (UGC-JRF)	2005, June

Courses completed: [Swayam/NPTEL]

Course	Conducted by	Level	Date/Year
Electromagnetic Theory	NPTEL	UG	2017
Classical Mechanics	Swayam	UG/PG FDP	2018

Other FIP/FDP/REFRESHER courses:

Course	Conducted by	Level	Date/Year
NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC)	Teaching Learning Center Indian Institute of Technology (BHU) Varanasi	Multidisciplinary	15.04.2024 to 24.04.2024
UGC Sponsored Online Faculty Induction Programme (FIP-III)	HRDC, Aligarh Muslim University, Aligarh, U.P., India	Multidisciplinary	13.11.2021 to 17.12.2021
	Commonwealth of Learning, Canada during a		

Understanding Open Educational Resources	FDP Program on LMS & OER organised by IQAC and Science Departments of Krishna Chandra College under the aegis of DBT-STAR College Scheme, Department of Biotechnology, Ministry of Science and Technology, Govt. of India.	Multidisciplinary	05.11.2020
1-week Faculty Development Programme on Learning Management Systems and Open Educational Resources	IQAC and Science Departments of Krishna Chandra College under the aegis of DBT-STAR College Scheme, Department of Biotechnology, Ministry of Science and Technology, Govt. of India.	Multidisciplinary	04.11.2020 to 10.11.2020

Subject of Interest:

- Wave Optics and Polarization
- Electromagnetic Theory
- Cryogenics, Correlated Electron Systems and Superconductivity
- Classical Mechanics
- Electronics
- Indian Classical Music

Publicatons:

1. "Investigation of carriers and ac transport processes in pure and praseodymium doped YBCO in normal states".
Supercond. Sci. Technol. **22** (2009) 125013 (5pp)
<http://www.iopscience.iop.org/0953-2048/22/12/125013/>
2. "Resemblance between the scaling parameter and the pseudogap parameter for Pr- doped cuprate superconductors."
Phys. Scr. **83** (2011) 045705 (6pp)
<http://www.iopscience.iop.org/1402-4896/83/4/045705>
3. "A generalized method of deriving conductivity loss tangent for YBCO materials"
Phys. Scr. **85** (2012) 045705 (8pp)
<http://www.iopscience.iop.org/1402-4896/85/4/045705>
4. "A generalized method of estimation of critical exponents through an indigenous susceptometry setup for YBCO materials"
Cryogenics **55-56** (2013) 35-46 (12pp)
<http://www.sciencedirect.com/science/article/pii/S001122751300012X>

Workshop/Seminar/Webinar Organized being Chairperson/Technical Support/ Joint Convener:

Sl No.	Type	Title	Organizers	Date
1.	1-day State Level Webinar	"National Education Policy – 2020"	IQAC, Saltora Netaji Centenary College in collaboration with IQAC, Khatra Adibasi Mahavidyalaya	18.06.2023

2.	1-day Webinar	“Decoding Brighter Future Opportunities After B.Sc”	Department of Mathematics, Physics and Chemistry (under the aegis of IQAC) in collaboration with IFAS, Pune, Maharashtra	06.06.2022
3.	1-day Institutional level Seminar	“Motivation for Blood Donation & Awareness on AIDS”	RED RIBBON Club (NSS Unit-III), Khatra Adibasi Mahavidyalaya, Khatra, Bankura	31.03.2022
4.	1-day State Level Webinar	“EXPLORING SCIENCE : ITS BEAUTY AND NECESSITY” https://www.youtube.com/watch?v=t1_bG5cBWIA&t=2222s	Department of Mathematics, Physics and Chemistry under the aegis of IQAC , Khatra Adibasi Mahavidyalaya, Khatra, Bankura	20.09.2020

International/National/State/Regional Level Workshop/Seminar/Webinar Attended:

Sl No.	Type	Title	Organizers	Date
1.	1-day State Level Workshop	“Hands on Training of NAAC Methodology and Preparation”	Bankura Christian College , Sponsored by Department of Higher Education, Govt. of West Bengal	08.12.2023
2.	1-day State Level Workshop	“Methods & Applications of NIRF”	Bankura Zill Saradamani Mahila Mahavidyapith , Sponsored by Department of Higher Education, Govt. of West Bengal	02.09.2023
1	Invited Talk: 2-day National Seminar: National Physics Meet 2.0	2nd National Physics Meet : Talk Title : “The Physics of Differential, Power Transmission and Steering Mechanism in 4-WD Electric Vehicles” on 18.02.2023	Department of Physics, University of Kalyani and Kalyani University Physics Alumni Association , Kalyani, Nadia.	17.02.2023 to 18.02.2023
2	1-day International Webinar	Nano Science and its Applications	Department of Physics, Bankura Christian College , Bankura	19.10.2020
3	1-day National Webinar	Advances of Modern Physical Science	Department of Physics under the aegis of IQAC, Panchmura Mahavidyalaya , Bankura	14.09.2020
4	4-day International Webinar	International Webinar on Basic and Advanced Physics-2020	Department of Physics, Bankura University , Bankura	24.08.2020 to 27.08.2020
5	2-day National Webinar	NAAC Assessment and Accreditation Process	IQAC & Academic Council, St. Xavier’s College , Kolkata	30.07.2020 to 31.07.2020
6	2-day National Webinar	Gender Matters: Texts and Contexts	Department of English and IQAC, Khatra Adibasi	22.07.2020 to

			Mahavidyalaya, Bankura	23.07.2020
7	1-day State Level Webinar	Administrative Affairs Thrusting Upon Promotion of College Teachers / Librarians Under CAS	Teachers' Council & IQAC, City College, Kolkata	11.07.2020
8	3-day International Webinar	International Webinar on Physics and Beyond-2020	Department of Physics, Bankura University, Bankura	06.07.2020 to 08.07.2020
9	1-day Regional Orientation-Workshop	Regional Orientation-Workshop with Dignitaries and Participating Institutes (PIs) of West Bengal, UBA 2.0	IIT, Kharagpur, West Bengal	18.02.2020
10	1-day Symposium	Smart Learning and Flipped Learning	Maulana Abul Kalam Azad University of Technology (MAKAUT), Main Campus, Haringhata, Kalyani	23.03.2018
11	3-day Workshop	TEQIP-II Sponsored Industry Academia Conclave	Maulana Abul Kalam Azad University of Technology (MAKAUT), Kolkata	27.03.2017 to 29.03.2017
12	International Technical Symposium	TEQIP Sponsored 3rd International Technical Symposium [JISTech2K17]	JIS College of Engineering, Kalyani	2017
13	3-day National Workshop	Low Temperature High Magnetic Field Facilities at UGC-DAE-CSR, Indore under the aegis of DST	UGC-DAE Consortium for Scientific Research, Indore	10.12.2007 to 12.12.2007
14	3-day Workshop	Advanced Materials Characterization Techniques	School of Material Science & Technology and Centre for Nanoscience & Technology, Jadavpur University, Kolkata	04.10.2007 to 06.10.2007
15	2-day National Workshop	Nuclear and Atomic Techniques Based Pure and Applied Sciences	UGC-DAE Consortium for Scientific Research, Kolkata Centre & University of Kalyani	29.03.2007 To 30.03.2007