

## BIO – DATA



**Name:** Prabir Kumar Shit

**Designation:** State Adied College Teacher (Category -1).

**Departmental Name:** Physics

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### Educational Qualification:

Degree name	Institute	Year of passing
B.Sc	V.U.	2013
M.Sc	V.U.	2015
B.Ed	V.U.	2018
CSIR-UGC NET	-	2017 Dec
Phd	V.U.	Joining in the year 2020- 2021

### Research Area/Research Interested:

Theoretical study of semiconductor device (High electron mobility transistor)

### Publication

1. A Theoretical model to study the Performance of a GaN HEMT under Electron Velocity Saturation. Cite as AIP Conference Proceeding 2369, 020139(2021); <https://doi.org/10.1063/5.0060872> . Published 13 September 2021.

2. A Simple Analytical Model of a GaN MODFET to Study its DC and RF performance. IndianJournal of Pure and Applied Physics, Vol. 60, Published by CSIR-NISCAIR, May 2022.

**Conference/ Seminar/ Workshop attended:**

<b>Sl. No</b>	<b>Title of the seminar /Conference / Workshop</b>	<b>Year</b>	<b>Role</b>	<b>Held of the Organizer</b>
1.	Two days National Seminar 50 years of laser: Promises and challenges.	08-09 Jan, 12	Participated	Prabhat Kumar College, Contai.
2.	Two days workshop on Quantum Information theory	20-21 Mar, 14	Participated	Midnapore College
3.	3. Temperature Dependent Current Model of GaN MODFET for High Field Application	18-22 Dec, 22	Presented	BIT MISRA

**Teaching / Other experience**

- 1<sup>st</sup> Semester: CC1- Mathematical Physics.
- 2<sup>nd</sup> Semester: CC4- Wave and Optics
- 3<sup>rd</sup> Semester: CC5- Mathematical Physics
- 4<sup>th</sup> Semester: CC9- Elements of modern Physics
- 5<sup>th</sup> Semester: CC11- Quantum Mechanics and applications
- 6<sup>th</sup> Semester: DSE4- Experimental Techniques