

Name: Dr. Aritra Bhowmik

Department: Electronics & Communication Engineering

Contact Nos.: 7550810026

Qualifications: B. Tech., M. Tech., PhD (Eng)

Designation: Assistant Professor

VIDWAN ID: 193387

Experience (Teaching / Research / Industry, in years): 15 years+

Date of Joining at the Present Institution: 31/03/2007

Examinations Cleared: GATE

Qualifications Summary (Reverse chronological order):

Degree	Institute	From - To	Subjects
PhD (Eng)	National Institute Of Technology Durgapur	2014-2020	ECE
M. Tech.	University Of Burdwan	2003-2004	ECE
B. Tech.	Department of Engineering & Technological Studies, University Of Kalyani	1999-2003	EIE

Experience Summary (In chronological order):

Designation,	Organization,	Date From - Date To
Lecturer,	AIEMD ,Durgapur	19/12/05 - 28/03/07
Assistant Professor,	Dr. B. C. Roy Engineering College,	31/03/2007 - Present

Specialization/Research Interest: Antenna Engineering

Awards & Recognitions

Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.

- ✓ **Rank Certificate cum National Scholarship for Secondary Examination**
- ✓ **Rank Certificate for Secondary Examination form Jalpaiguri District.**



Courses taught:

B.Tech: Specify the name of the subject/s (Theory first and then practical)

1. Signal & System,
2. Digital Signal Processing,
3. Basic Electronics,
4. Digital Electronics,
5. Analog & Digital Electronics,
6. RF & Microwaves Engineering,
7. Transmission Line & Wave Propagation,
8. Analog Communication,
9. Circuit Theory.

(Signal & System Lab , Digital Signal Processing Lab, Basic Electronics Lab, Digital Electronics Lab, Analog & Digital Electronics Lab, RF& Microwaves Engineering Lab, Transmission Line & Wave Propagation Lab, Analog Communication Lab.)

M.Tech: specify the name of the Subject/s

1. Advanced Digital Signal Processing,
2. RF & Microwaves Engineering,

Online Mode of Teaching: Online Mode of Teaching is conducted for different subjects with help of Google Meeting Class Room

Publications:

SCI-index journals:

[1] **Aritra Bhowmik**, Ujjal Chakraborty, Anup K. Bhattacharjee, and Santosh K. Choudhury, "Effect of rectangular ground slot in a microstrip line fed monopole uwb antenna for multiband applications", *MICROWAVE AND OPTICAL TECHNOLOGY LETTERS* / Vol. 56, No. 8, pp. 1891-1895, August 2014. (**SCI-index journals**)

[2] **Aritra Bhowmik**, Ujjal Chakraborty , and Anup K. Bhattacharjee, "A study on frequency tuning and miniaturization of a ground slotted rectangular microstrip patch antenna built with different dielectric substrates", *MICROWAVE AND OPTICAL TECHNOLOGY LETTERS* / Vol. 58, No. 12, pp. 2859-2864, December 2016. (**SCI-index journals**)

[3] **Aritra Bhowmik**, and Anup K. Bhattacharjee, "Design of a-shaped coaxial fed compact broadband antenna for wlan/ wimax/ uwb lower-band applications",

Supervision of Ph.D/M.Tech/ B.Tech Projects:

Supervision of Ph.D student:

Sourav Bhattacharyya, Dr. Aritra Bhowmik , “Miniature Multiband & Broadband antennas for 5G Communication and their advanced application”, 2021 , MAKAUT (Maulana Abul Kalam Azad University of Technology). (Ongoing)

Projects:

Thesis for M.Tech:

1. Barun Mazumdar, **Dr. Aritra Bhowmik** , Prof. UjjalChakraborty, ” Design Of Compact Microstrip Antenna For WLAN Application”, 2010.
2. Shankhayan Chakraborty, **Dr. Aritra Bhowmik** , Prof. UjjalChakraborty, ” Design Of Uwb Antenna With Band Notch Characteristics In WLAN 802.11a Band”, 2010.

Final year 8th Sem Project for B.Tech:

1. BidyutMajumder, (University Roll No.9120003047), Dr. Aritra Bhowmik, Prof. UjjalChakraborty, Frequency Reconfigurable Monopole Microstrip Antenna, 2013
2. Subhasis Das (University Roll No.12000310123), Dr. Aritra Bhowmik, Prof. UjjalChakraborty, Frequency Reconfigurable Monopole Microstrip Antenna , 2013
3. SweetlyHalder (University Roll No. 9120003046), Prof. UjjalChakraborty, Frequency Reconfigurable Monopole Microstrip Antenna , 2013
4. Subhendu Pradhan (University Roll No. 12000312112), Dr. Aritra Bhowmik, Compact Microstrip Patch Antenna For Wlan Application, 2016
5. Sk. Intaj Mohammad (University Roll No.12000312099), Dr. Aritra Bhowmik, Compact Microstrip Patch Antenna For Wlan Application , 2016
6. Dipankar Saha (University Roll No. 12000312043), Dr. Aritra Bhowmik, Compact Microstrip Patch Antenna For Wlan Application, 2016
7. Debayan Sinha (University Roll No. 12000312032), Dr. Aritra Bhowmik, Compact Microstrip Patch Antenna For Wlan Application , 2016

8. Arpan Chatterjee (University Roll No. 12000314122), Dr. Aritra Bhowmik, A Compact CPW Fed UWB Antenna, 2017
9. Avijit Roy (University Roll No. 12000314123), Dr. Aritra Bhowmik, A Compact CPW Fed UWB Antenna, 2017
10. Rajnondeni Saha (University Roll No. 12000314133), Dr. Aritra Bhowmik, A Compact CPW Fed UWB Antenna, 2017
11. Rupesh Kumar (University Roll No. 12000313079), Dr. Aritra Bhowmik, A Compact CPW Fed UWB Antenna, 2017
12. Shankar Yadav (University Roll No. 12000313086), Dr. Aritra Bhowmik, A Compact CPW Fed UWB Antenna, 2017
13. Vimal Kr. Nirala (University Roll No. 12000313114), Dr. Aritra Bhowmik, A Compact CPW Fed UWB Antenna, 2017
14. Aditya Singh (University Roll No. 12000313008), Dr. Aritra Bhowmik, Design and Simulation Of Compact A-Shaped Microstrip Patch Antenna, 2018
15. Saptarshi Dutta (University Roll No. 12000314080), Dr. Aritra Bhowmik, Design and Simulation Of Compact A-Shaped Microstrip Patch Antenna, 2018
16. Sourav Kumar (University Roll No. 12000314098), Dr. Aritra Bhowmik, Design and Simulation Of Compact A-Shaped Microstrip Patch Antenna, 2018
17. Tonmoy Bhattacharjee (University Roll No. 1200313112), Dr. Aritra Bhowmik, Design and Simulation Of Compact A-Shaped Microstrip Patch Antenna, 2018
18. Prerona Sanyal (University Roll No., 12000315131), Dr. Aritra Bhowmik, Design and Simulation Of Compact A-Shaped Microstrip Patch Antenna, 2018
19. Numan Hasan (University Roll No. 12000316072), Dr. Aritra Bhowmik, Design Of a Compact Multiband Microstrip Antenna, 2020
20. Ankita (University Roll No. 12000316121), Dr. Aritra Bhowmik, Design Of a Compact Multiband Microstrip Antenna, 2020
21. Subhajit Maji (University Roll No. 12000316022), Dr. Aritra Bhowmik, Design Of a Compact Multiband Microstrip Antenna, 2020
22. Anup Das (University Roll No. 12000316117), Dr. Aritra Bhowmik, Design Of a Compact Multiband Microstrip Antenna, 2020.
23. Somashree Karmakar (University Roll No. 12000316035), Dr. Aritra Bhowmik, Design Of a Compact Multiband Microstrip Antenna, 2020
24. Nitish Kumar Mahato (University Roll No. 12000316073), Dr. Aritra Bhowmik, Design Of a Compact Multiband Microstrip Antenna, 2020
25. Manjit Sharma (Uni roll: 12000317090), Dr. Aritra Bhowmik, Design of Compact Multiband MIMO

Antennas for 5G communication, 2021

26. Kumar Aman (Uni roll:12000317095) , Dr. Aritra Bhowmik, Design of Compact Multiband MIMO Antennas for 5G communication, 2021
27. Manoranjan Soren (Uni roll:12000317089) , Dr. Aritra Bhowmik, Design of Compact Multiband MIMO Antennas for 5G communication, 2021
28. Debjyoti Mukherjee (Uniroll:12000317101) , Dr. Aritra Bhowmik, Design of Compact Multiband MIMO Antennas for 5G communication, 2021
29. BhagwanLal Yadav (Uni roll:12000317104) , Dr. Aritra Bhowmik, Design of Compact Multiband MIMO Antennas for 5G communication, 2021
30. Sandeep sah (Uni roll: 12000317052) , Dr. Aritra Bhowmik, Design of Compact Multiband MIMO Antennas for 5G communication, 2021

Participation in administrative committees (selected)

- ✓ **Departmental Coordinator, IQAC (Internal Quality Assurance Cell),
2019-2021**