



Dr. Anindita Bora

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Associate Professor
Dept. of ECE
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Qualifications

Degree	Specialization
Ph. D.	Thesis Title: Design considerations of an embedded system for real time data acquisition and monitoring of odour signals
M. Tech.	Electronics Design & Technology
M.Sc.	Physics

• Award and Fellowship

1. Merit scholarship by Govt of Assam in Secondary level
2. NET (JRF) 2010 by UGC

• Academic/ Administrative Experience:

1. Lecturer in the department of Electronics and Communication Engineering, Sikkim Manipal Institute of Management and Technology, Majitar, Sikkim for the year 2006-2007
2. Assistant Professor in the department of Electronics and Communication Engineering, Girijananda Chowdhury Institute of Management and Technology, Guwahati for the year 2008 to 2016
3. Associate Professor in the department of Electronics and Communication Engineering, Girijananda Chowdhury Institute of Management and Technology, Guwahati since the year 2017.
4. Head of the Department of ECE, GCU (formerly GIMT) from the year 2016
5. Examination Evaluation Centre Incharge, GIMT for the duration 2019-2021,2023-2024
6. Member Board of Studies, Assam Science and Technology University, Assam, 2019

7. Chairman GCU- admission Test 2023

• **Project Grant for Research Work**

1. Title of the Project : “Design of a low cost portable tea quality assessment system”,
Funding Agency: DST under TEQIP III,
Duration: 2019-2022
Amount: 3,00,000/-

2. Title of the Project : “A study of ground water with special reference to Arsenic concentration in Kamrup District and development of a low cost paper based analytical platform for detection of Arsenic.”,
Funding Agency: AICTE
Duration: 2021 - 2024
Amount: 5,00,000/-

3. Grant for conducting collaborative research work
Title of the Project : “ Design and development of a smart Tracking System for wild animals”,
Funding Agency: Aaranyak
Duration: 2025 – 2026 (1 year)
Amount: 1,00,000/-

4. **Grant for conducting Workshop under VAANI(Workshop on Semiconductors)**

Funding Agency: AICTE
Duration: 2024 - 2025
Amount: 2,00,000/-

5. **Consultancy works**

AICTE book translation into the Assamese Language

1. Translator, Subject: Electronic Communication - Sponsored and Authorized Assam Science and Technology University [AICTE CELL]

6. **Publications**

List of Publications:

1. A.Bora, K.C. Sarma “ On design of Compact Aperture coupled Microstrip Antenna using Inductive Loading”,2007 IEEE Applied Electromagnetics Conference, 2007 IEEE Applied Electromagnetics Conference

2. “Design of a Compact Polarised Square microstrip Antenna using Inductive Loading”, 2009, National conference on Communication.IITG
3. A.Bora, K.C. Sarma “Design of a USB based Multichannel Low cost Data Acquisition System using PIC microcontroller”, International Journal of Computer Applications, 2012
4. A.Bora, K.C. Sarma Temperature Modulation of MOS Gas sensor for Enhanced Gas detection, International Journal of Scientific Progress and Research , 2015
5. A.Bora, K.C. Sarma A temperature Modulation circuit for MOS gas sensor, Indian journal of Science and Technology, 2015 (Scopus Indexed in 2015)
6. A.Bora, K.C. Sarma Recent Advances in Electronic Nose and Signal Analysis, The International Conference on Electronic Devices Circuits Applied Electronics And Communication Technology, 2015
7. A.Bora, K.C. Sarma Temperature Modulation of Gas Detection System Using Different Heating Voltage Waveform, National Conference on Recent Innovative Trends in Engineering and Technology (NCRITET-2016)
8. A.Bora, K.C. Sarma Temperature Modulation of Gas Detection System Using Different Heating Voltage Waveform, International Journal of Computer Sciences and Engineering, 2016
9. A.Bora, K.C. Sarma “Temperature Modulation of Gas Detection System Using Different Heating Voltage Waveform”, Vol 4 2016,ISBN no.- 2347-2693
10. A.Bora, K.C. Sarma Analysis of gas sensors using temperature modulation, Conference ICAEES2019
11. A.Bora, K.Kalita IOT based smart farming using ESP8266, International journal of creative research thoughts, 2022.
12. K.Kalita, A.Bora, Study of ESRGAN Based Model for Style Transfer on Images, 2022 USMT-AIMT International Conference on Innovations in Management, Science and Technology (ICIMST)
13. R. Bora and A.Bora” Application of sensor in Agriculture- a detailed study” presented in a two days international conference on Energy, Sustainability and Climate Change , in Kaziranga University, 7-8 Nov. 2024.
14. “কৃষি ক্ষেত্ৰত সেন্সৰ প্ৰযুক্তিৰ ওপৰত এটা বিস্তৃত পৰ্যালোচনা - সম্ভাৱনা আৰু প্ৰত্যাহ্বানৰ সৈতে”, in "অভিযোজনশক্তি :, জলবায়ু পৰিৱৰ্তন আৰু বহনক্ষম উন্নয়ন "Unika Publication, 2024, ISBN: 978-93-91883-98-0.
15. A. Bora, R. Chutia, and A. Saha, “Statistical estimation of lead (Pb) in groundwater from smartphone images of paper test strips using CIEDE2000 model,” *Indian Journal of Science and Technology*, vol. 19, no. 9, pp. 583–591, 2026, doi: 10.17485/IJST/v19i9.1920 (web of Science)

16. Short term course/workshop attended

Title	Institution	Period
QIP short term course on Advanced Wireless Communication	IIT Guwahati	Dec 2006
ISI-AU winter school on Image processing and analysis	Assam	Jan 2007

	University	
Short term course on Computer networking with special reference to high speed and wireless networking	AEI, Guwahati	Jan 2008
Short term course on Exposure on MATLAB	NITTTR	2009
Short term course on Modelling and simulation using MATLAB	NITTTR	2009
Short term course on Digital Electronics and Microprocessor	NITTR, Guwahati	2015
Introduction to Design of Algorithms	IIT Kharagpur	27th to 30th May 2015
Environmental Studies	IIT Bombay	2nd June to 12th June 2015
Short term course on Control system Analysis and Design using Matlab	NITTR, Guwahati	2016
Estimation and Costing of Non-Conventional Energies	IIT Kharagpur	2017
CMOS, Mixed Signal and Radio frequency VLSI Design	IIT Kharagpur	30 th Jan to 4 th Feb 2017
Foundation Program in ICT for Education	IIT Bombay	3 rd August to 7 th Sept 2017
Faculty development Program on Foundation Program in ICT for Education	IITB	2018
Pedagogy for online and Blended Teaching-Learning process	IIT Bombay	2018
FDP on VLSI Design	Assam Engineering College	2018
Advances in Renewable Energy Technologies and Systems	Tezpur University	19 th Feb to 24 Feb 2018
ATAL FDP NEP 2020:Implementation for Quality Education	Makhanlal Chaturvedi National University of Journalism & Communication Bhopal.	13/09/2021 to 17/09/2021
5- day Face-to-Face UHV II FDP organized by AICTE	GCU	January, 2024
ATAL FDP on Chip:Design, Fabrication, Packaging & Testing	AEC	6 th to 11 th January 2025
ATAL FDP on Artificial Intelligence for Data Science: Innovation and Applications	JIST	20 th to 25 th January 2025
NEP 2020 Orientation & Senitization Program under Malaviya Mission Teacher Training Programme	MMTTC, GU	3 rd to 12 th December 2025

17. Sponsored Workshop Organized

Workshop on VLSI and Embedded System, 19 th -23th June 2017	ECE, GIMT-G	1 Week (funded by GIMT)
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TEQIP-3 sponsored FDP on Application of Labview in Technical Education and Research, 28 th Jan to 1 st April 2019	ECE,GIMT-G	1 Week (funded by TEQIP)
3-Day AICTE VAANI Workshop On “Low-Power VLSI Design: Driving India's Semiconductor Progress” 16 th to 18 th Dec.2024	ECE,GIMT-G	3 Days (funded by AICTE)
VLSI Design using Open Source Tools from 27 th January to 31 st January 2026	ECE, GIMT-g	5 days program (conducted in collaboration with Novel Integrated Electronics (NINE) Labs, IIT Guwahati, supported by Ministry of Electronics and Information Technology (MeitY)

18. Computing Skills

- **Tools** : Microsim, Xilinx Modelsim, Matlab, Labview, Diptrace
- **Languages** : C, C++, VHDL, Python
- **Platforms** : Dos, Windows

DECLARATION

I do hereby declare that the particulars furnished by me above are correct to the best of my knowledge and belief.

(Dr. Anindita Bora)
Date:

Dear Sir,

Greetings.