



Dr. Mourina Ghosh  
Associate Professor  
PhD (ISM Dhanbad)  
Department of Electronics &  
Communication Engineering  
[mourina@iitg.ac.in](mailto:mourina@iitg.ac.in)  
joined the Institute in June 2015

## About

Hello, welcome to my Homepage. I am working as an Assistant Professor in the department of Electronics and Communication Engineering at Indian Institute of Information Technology, Guwahati. I have joined the institute in May, 2015, before that I have completed my Ph.D in the year 2015 from Indian Institute of Technology (Indian School of Mines), Dhanbad under the supervision of Dr. Sajal K. Paul. Currently I am working in the area of VLSI Design.

For more information [Please Visit](#)

### Research Interests

Current Mode Circuits, Bipolar and MOS Analog Integrated Circuits.

- ④ Microelectronics
- ④ Current Mode Circuits
- ④ Analog and Mixed Signal IC Design
- ④ Neuromorphic Analog VLSI Circuits

### Teaching

- ② Analog Circuits
- ② VLSI Design
- ② Basic Electronics
- ② Measurement and Instrumentation
- ② Low Power VLSI Design
- ② Analog Integrated Circuit Lab
- ② VLSI Design Lab
- ② Basic Electronics Lab

### Invited talks

- A senior research associate of Analog Filter Using GSPAW and different Current Mode Building Blocks at Dept. of EETEC in Palanan Technical Campus and Dept. of EEC at Palanan College in Palanan Technical Campus, West Babel on Aug/August, 2020.
- Invited Speaker in "Analog Circuit Design Using OPA: Hands On Training" in the department of Electronics and Communication Engineering, National Institute of Technology Haripur, India from 30.11.2021 to 04.12.2021 in Virtual mode
- invited Speaker in One Week Workshop in Electronic Circuit and PCB Design (EPCD-2022), organized by Dept. of E.C.E and EEE of KJ Somaiya, Chikankhed, India from 24-30/08/2022
- Title: "VLSI Based System Design" 12th - 14th March, 2023, Co-ordinator: Dr. Meeta Bhai Ghosh in association with IIT Guwahati (sponsored by TQMISB), University of Calicut, Santa Cruz, Techno - Israel Institute of Technology, IT Karapur, IT Roorki, IIT Kanpur, IIT Bombay, IIT Madras, IIT Hyderabad, IIT Guwahati, University of Calicut, Jamia Millia Islamia - Central University

### Students Supervision

### PhD Students

1. Shekhar Suman Borah (Completed)
2. Gourango Mondal

### B.Tech Students

1. Ankur Singh - 2017 batch
2. Shivika Agarwal - 2017 batch
3. Chandrima Bhattacharya - 2016 batch
4. Yugendra Varilla - 2016 batch
5. Suyash Maruya - 2016 batch
6. Abhinav Sinha - 2015 batch
7. Kunal Yadav - 2014 batch
8. Vishal Thareli - 2013 batch

### Publication

## journal


- [illegible]

## Conference

- [illegible]

## Book Chapters


9. S. S. Borah, A. Singh, M. Ghosh, "S. S. Borah, A. Singh, M. Ghosh, "Two Novel Configurations of Electrically Tunable Quadrature Sinewave Oscillator using CDMA", In: Mallick P.K., Meher P., Majumdar A., Das S.K. (eds) *Electronic Systems and Intelligent Computing*. Lecture Notes in Electrical Engineering, vol 686. Springer, Singapore, 2020. DOI: [https://doi.org/10.1007/978-981-15-7031-5\\_27](https://doi.org/10.1007/978-981-15-7031-5_27), (2020).
10. M. Ghosh, S. Banerjee, S. S. Borah, P. Mondal, "M. Ghosh, S. Banerjee, S. S. Borah, P. Mondal, "Single OTRA-based Implementation of Second-Order Band Reject Filter (Three Configurations)", In: Goel N., Hassan S., Kalaiichelvi V. (eds) *Modelling, Simulation and Intelligent Computing*. *ModiCom*



**IIIT Guwahati**  
Bongaigaon, Assam  
Guwahati - 781015  
INDIA  
0361-2474000  
[registrar@iiitg.ac.in](mailto:registrar@iiitg.ac.in)

**Our Campus**  
Library  
Health care center

**Quick Links**  
Tender/MS  
Academic Calendar  
Semester Fee  
Seat Distribution  
Circulation  
Visitor's Information  
Annual Report



Copyright © 2022-2025 IIIT Guwahati, India. All rights reserved.

