



## Srikrishna Bardhan, M.tech

**Designation** : Sr. Asst. Professor

**Department** : Department of Electronics Engineering  
(JOINED THE INSTITUTE IN 2006)

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### RESEARCH INTERESTS

- ✓ Semiconductor device Modeling and Simulation
- ✓ Wireless communication

### Academic Qualifications

- ✓ Ph.D. Continuing (Semiconductor device modeling and Simulation), Silicon University, Bhubaneswar, India.
- ✓ M. Tech (Electronics and Telecommunication), BPUT, Odisha, India.

### Teaching Experience/Industrial Experience/Research Experience

- ✓ Worked as Lecturer in Synergy Institute of Engineering and Technology, Dhenkanal, Odisha from 2003 to 2005.
- ✓ Worked as Lecturer in Seemanta Engineering College, Mayurbhanj, Odisha from 2005 to 2006.
- ✓ Working as Sr. Asst. Professor in Silicon University, Silicon University, Odisha from 2006 to till date.

## PUBLICATIONS

### JOURNAL ARTICLES & CONFERENCE PAPERS

- [1]. S. Bardhan, "Capacity and Performance Analysis of MIMO-STBC in Rayleigh Fading Channels," International Journal of Engineering Research and Technology, vol. 1, no. 8, 2012.
- [2]. S. Bardhan, and U. Bhanja, "Design of Green Optical WDM Network," National Conference on Modern Trends in Engineering Solutions, 2013.
- [3]. S. Bardhan, P. K. Jena, S. Misra, S. Das, B. Baral, and S. K. Pati, "Analytical Volume Inversion Charge density Modeling of SGCG DG MOSFET in the presence of Interfacial Traps," 2023 1st International Conference on Circuits, Power, and Intelligent Systems (CCPIS), Bhubaneswar, India, 2023, pp. 1-6, doi : 10.1109/CCPIS59145.2023.10291376.
- [4]. P. K. Jena, S. Das, S. Bardhan, S. Misra, B. Baral, and S. K. Pati, "Low Frequency Noise Analysis in AlGaN/GaN HEMTs," 2023 1st International Conference on Circuits, Power, and Intelligent Systems (CCPIS), Bhubaneswar, India, 2023, pp. 1-4, doi : 10.1109/CCPIS59145.2023.10291825.

## ANY OTHER

Book Chapter  
Conferences attended

- [1]. National Conference on Modern Trends in Engineering Solutions, Indira Gandhi Institute of Technology (I.G.I.T.), Sarang, 2013.
- [2]. 1st International Conference on Circuits, Power, and Intelligent Systems (CCPIS), Silicon University, Bhubaneswar, India, 2023.