



## Chittaranjan Mohapatra, Ph.D.

**Designation** : Assistant Professor

**Department** : Department of Computer Science and Engineering  
(JOINED THE INSTITUTE IN 2008)

**Contact** : 9938068640

**Email** : cmohapatra@silicon.ac.in

### RESEARCH INTERESTS

- ✓ Algorithms
- ✓ Machine Learning
- ✓ Java and MERN full stack

### Academic Qualifications

- Ph.D. (Computer Science), Utkal University, Odisha, India
- M. Tech. (CSE), Utkal University, Vanivihar, Odisha, India
- B. Tech. (CSE), Biju Pattanaik University of Technology, India

### Teaching Experience/Research Experience

- ✓ 17 years

## PUBLICATIONS

### JOURNAL ARTICLES & CONFERENCE PAPERS

**[1] Mohapatra C,** and Adhikari N. Robust Rectilinear Steiner Tree Construction: A Multi Objective Optimization using Genetic Algorithm. Semiconductor Optoelectronics. 42(1):1215- 33, 2023

**[2] Mohapatra C,** Adhikari N, Ray BNB, Nayak B, Dash AK. AMST: Accelerated Minimum Spanning Tree for Scalable Data. *Indian Journal of Science and Technology*. 16(37): 3110-3120, 2023, <https://doi.org/10.17485/IJST/v16i37.1420>

**[3] Mohapatra C,** Ray B B. A Survey on Large Datasets Minimum Spanning Trees. International Symposium on Artificial Intelligence, Springer, pp. 26-35, 2022

**[4] Mohapatra C,** and Adhikari, N. A Noble Rectilinear Steiner Tree with Obstacles Using Parallel DQN: NRST.