

## Faculty Profile



**Name:** Dr. Priya Ranjan Sinha Mahapatra

**Designation:** Assistant Professor

**Faculty:** Engineering, Technology & Management

**Department:** Computer Science & Engineering

**Room No.:** .....

**Office Phone:** 2580 9614 (Direct), University extension – 256

**Email:** [priya@klyuniv.ac.in](mailto:priya@klyuniv.ac.in), [priya\\_cs@yahoo.co.in](mailto:priya_cs@yahoo.co.in)

**Web Address:** NIL

**Qualifications:** M. C. A., M Sc. (Applied Mathematics), Ph. D.(Comp. Sc. & Engg.)

**Areas of Interest/Specialization:** Data Structure, Design and Analysis of Algorithm, Computational Geometry, Graph Labeling

**Experience:** 13 years

### **Awards and Honours:**

1. National scholarship by Govt. of India for good academic performance in B. Sc. (Hons) (1991-1994).
2. National scholarship by Govt. of India for good academic performance in M. C. A.(1997-2000).

**International/National Collaboration/Consultancy:** Advanced Computing and Microelectronics Unit, Indian Statistical Institute, Kolkata, Chennai Mathematical Institute (CMI), Chennai, India., Department of Computer Science & Engineering, Tezpur University, Assam, Department of Electronics and Communication Engineering, NIT, Durgapur.

### **Best Peer Reviewed Publications/Books (Upto 5):**

1. Joydeep Mukherjee, **Priya Ranjan Sinha Mahapatra**, Arindam Karmakar and Sandip Das, “Minimum-width Rectangular Annulus”, Theoretical Computer Science, Vol. 508, pp. 74-80, 2013.
2. **Priya Ranjan Sinha Mahapatra**, Arindam Karmakar, Sandip Das and Partha P. Goswami, “ $\$k\$$ -Enclosing Axis-parallel Square”, 11th International Conference on Computational Science and Applications (ICCSA 2011)}, *Book Chapter, LNCS(Springer), Heidelberg, Germany, Vol. 6784, pp. 84--93 2011.*
3. Joydeep Mukherjee, **Priya Ranjan Sinha Mahapatra**, Arindam Karmakar and Sandip Das, “Minimum-width Rectangular Annulus”, Proc. of Fifth International Frontiers of Algorithmics Workshop (FAW 2011) and the Seventh International Conference on Algorithmic Aspects of Information and Management (AAIM 2011) in cooperation with SIAM, Zhejiang Normal University, Jinhua, China, *Book Chapter, LNCS(Springer), Heidelberg, Germany, Vol. 6681, pp. 364--374, 2011.*
4. A. Chatterjee and G. K. Mahanti and **Priya Ranjan Sinha Mahapatra**, “Phase-only Side lobe Reduction of a Uniformly Excited Concentric Ring Array Antenna using Modified Particle Swarm Optimization”, *International Journal of Microwave and Optical Technology, Vol. 1, No. 1, pp. 57--62, 2011.*

5. A. Chatterjee and G. K. Mahanti and **Priya Ranjan Sinha Mahapatra**, "Design of Fully Digital Controlled Reconfigurable Dual-Beam Concentric Ring Array Antenna using Gravitational Search Algorithm", *Progress In Electromagnetics Research C, PIER C, An International Journal*, Vol. 18, pp. 59--72, 2011.

**Patents (If Any):** None