



## Dr. Sushri Samita Rout, Ph.D.

**Name** : Sushri Samita Rout

**Designation** : Associate Professor

**Department** : Department of Computer Science Engineering  
(JOINED THE INSTITUTE IN 2005)

**Contact** : +919861202758 (M), +919337102758

**Email** : sushri@silicon.ac.in, & sushrirout@gmail.com

### RESEARCH INTERESTS

- ✓ Computational Intelligence in HRM/HRD
- ✓ Use of PSO for competency mapping
- ✓ Fuzzy Techniques in compensation management
- ✓ Software Product Management

### Academic Qualifications

Ph. D. (Systems), KIIT University, India

PGDM (Systems), KIIT University, India

B.Tech.(EIE), NIST, Berhampur University

**Specialization:** Computational Intelligence for Management  
Software Product Management

### Teaching Experience/Industrial Experience/Research Experience

- ✓ 15+ years

**JOURNAL & CONFERENCES**

- [1]. Rout, S.S., Misra, B.B., & Samanta, S. (2012, October). Competency mapping in academic environment: A multi objective approach. In Information and Communication Technologies (WICT), 2012 World Congress on (pp. 543-548). IEEE.
- [2]. Rout, S.S., Misra, B.B., Samanta, S. Load Allocation in Academic Environment: A Multi Objective PSO Approach. Journal on Computing (JoC), 3(4),(2014).
- [3]. Rout, S.S. Education to Employment: A critical model to bridge the gap. Parikalpana, KIIT Journal of Management, Vol 11(1) , pp.99-112,2015.
- [4]. Rout, S.S., Misra, B.B., Samanta, S. Hybrid Research: A methodological paradigm for Interdisciplinary research. European Journal of Academic Essays, Special Issue (1): 5-8, 20
- [5]. PhD Dissertation titled, "Computational intelligence for mapping academic competency in technical institutes."  
<http://hdl.handle.net/10603/129262>
- [6]. Rout, S.S., Misra B.B, Samanta, S. Computational approaches to competency mapping: A review of literature. Online International Interdisciplinary Research Journal, Special Issue (5): 72-84, 2015
- [7]. Rout, Sushri Samita, Bijan Bihari Misra, and Sasmita Samanta. "Competency mapping with Sugeno fuzzy inference system for variable pay determination: A case study." *Ain Shams Engineering Journal* (2017).

**ANY OTHER**

Book Chapter  
Conferences attended

- [1] Rout, Sushri Samita, and Bijan Bihari Misra. "Competency Mapping in Academic Environment: A Swarm Intelligence Approach." In Handbook of Research on Modeling, Analysis, and Application of Nature-Inspired Metaheuristic Algorithms, pp. 244-263. IGI Global, 2018.