

# Dr. Sabnam Sengupta

121/18/2 (95) Purbachal Kalitala Road, "Aryasa", Flat No. 4, Kolkata 700078.

Contact Number: 24844360 (R), 9433076680 (M)

E-Mail Id: sabnam\_sg@yahoo.com

## Educational Qualification:

<i>Degree</i>	<i>Year</i>	<i>Board/University</i>	<i>Institute</i>	<i>Marks(%)</i>
Ph.D (Computer Science & Engg)	2008	Jadavpur University	Jadavpur University	
B.Tech (Chemical Engg.)	1998	University of Calcutta	University of Calcutta	75

## Academic Achievements:

- Member of Editorial Board of the International Journal of Computers and Applications (IJCA), Acta Press, ISSN: 1206-212X, Advances in Information Sciences and Service Sciences (AISS), ISSN : 1976-3700, and International Journal of Advancements in Computing Technology (IJACT), ISSN : 2005-8039
- Around 28 published papers in different International Conferences and Journals including books published by IGI Global and Nova publishers

## Work Experience:

<i>Type of Job</i>	<i>Organization</i>	<i>Designation</i>	<i>Duration</i>
Academic	BP Poddar Institute of Management and Technology	Assistant Professor	February 2008 – Till Date
	BP Poddar Institute of Management and Technology	Lecturer	July 2004 – February 2008
Industrial	IBM Global	Software Consultant	July 2002 – May 2003
	Capital One	Software Developer	February 2000 – June 2002

## Professional Awards/Recognition/Sponsored projects

- Listed in Marquis Who's who in the World, 2011 (28<sup>th</sup> Edition).
- Sun Certified Programmer in Java 2.0 Platform, 2000

## Research Interests:

Formal modeling, Software Architecture, SDLC Life Cycle Models, Model based Verification, Software Metrics, and Software Evolution

## Teaching Interest:

- Software Engineering, Object Technology & UML, Object oriented programming, Information System Analysis and Design, Web Technology
- Supervising Ph.D candidate as a co-supervisor in Jadavpur University

## List of Publications (Selected):

### Books:

- [1] Ananya Kanjilal, Sabnam Sengupta and Swapan Bhattacharya, "Graph Based Analysis of Object Oriented Systems: An Integrated Approach", Nova publishers, 2010.
- [2] Ananya Kanjilal, Sabnam Sengupta and Swapan Bhattacharya, "Graph Based Analysis of Object Oriented Systems", chapter of "Horizons in Computer Science Research, Volume 1", Nova publishers, 2010.
- [3] Swapan Bhattacharya, Ananya Kanjilal and Sabnam Sengupta, "Tools and Techniques for Model Based Testing", "Handbook of Research on Software Engineering and Productivity Technologies: Implications of Globalization", Information Science Reference (Imprint of IGI Global), pp 226-249, August 2009.

### Journals:

- [4] Sabnam Sengupta, Ananya Kanjilal, Swapan Bhattacharya, "A Graph Based Approach to Measure Complexity of Component Based Architecture", ACM Sigsoft Software Engineering Notes (SEN), Volume 36 Issue 1, Jan 2011.
- [5] Abhik Sengupta, Vivek Nandey, Sabnam Sengupta, "ETDSOA: a model for event and time driven service oriented architecture", ACM SIGSOFT Software Engineering Notes, Vol 35 Issue 6, November 2010
- [6] Dipankar Majumdar, Sabnam Sengupta, Ananya Kanjilal, Swagata Kundu, Swapan Bhattacharya, "A Mathematical Reusability Model for Quantifying the Reduction in Development Effort", ACM Software Engineering Notes (SEN), Vol 35, Issue 4, July 2010.
- [7] Sabnam Sengupta, Swapan Bhattacharya, "Formalization of Functional Requirements of Software Development Process", In the Journal of Foundations of Computing and Decision Sciences (FCDS), Institute of Computing Science, Poznan University of Technology, Poland, Vol 33, Issue 1, pp 83-115, 2008.