

Dr. Ananya Kanjilal

Block – 5, Flat – 3D, Natural Heights, 137, V.I.P Road, Kolkata – 700052.

Contact Number: +85292340354 (M)

Email Id: ag_k@rediffmail.com

Educational Qualification:

- Post Doctoral Visiting Researcher, Dept. of CSE, HKUST, Hong Kong, 2010-2011
- Ph.D, Dept of Computer Science & Engineering, Jadavpur University, 2008
- B.E, Dept. of Electrical Engineering, R.E. College, Durgapur, 1994

Academic Achievements:

- Member of Editorial Board of the Journal of Software, Academy Publishers, ISSN: 1796-217X and of International Journal of Computer Applications (IJCA) , ISSN – 0975-8887
- Senior Member of IACSIT (Regn No. : 53122865K)
- Gold medal awarded from Burdwan University for ranking 1st in Bachelor of Engineering
- Biography in 10th Anniversary edn. of Marquis Who's Who in Science & Engineering, Dec 2007

Work Experience:

Type of Job	Organization	Designation	Duration
Academic	BPPIMT	Assistant Professor	Feb 2008 – Till Date
	BPPIMT	Lecturer	Nov 2000 – Feb 2008
Industrial	Globsyn Technologies Ltd.	Techno Education Analyst	July 1997 – Feb 1999
	RS Software India Pvt.Ltd.	System Analyst	Aug 1995 – June 1997
	L&T Pvt. Ltd	Graduate Engineer Trainee	Aug 1994 – Aug 1995

Research Interests:

Requirement engineering, Formal modeling, Graph based Analysis, Model based Verification, Program analysis, Automated Software testing, Software Metrics, Service oriented architecture, Software quality

Teaching Interest:

Software Engineering, Object oriented Analysis and Design, Object oriented programming, Information System Analysis and Design, Database Management System

Invited Talk:

- [1] “Traceability of Requirements in Software Development Process” in the National Seminar on “Engineering of Software Products: From Requirements to Deliverables” on January 11, 2008 at NIT, Durgapur, India.
- [2] Delivered Invited talk in the National Seminar on “Engineering of Software Products: Perspectives of Research & Applications“, January, 2009 at NIT, Durgapur, India.

List of Publications:

Books

- [1] Ananya Kanjilal, Sabnam Sengupta and Swapan Bhattacharya, “Graph Based Analysis of Object Oriented Systems: An Integrated Approach”, Nova publishers, 2010.
- [2] 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

- [3] Dipankar Majumdar, Ananya Kanjilal, Swapan Bhattacharya, “Separation of scattered concerns: A Graph based approach for aspect mining”, ACM Sigsoft Software Engineering Notes (SEN), Vol 36, Iss 2, Mar 2011.
- [4] Sabnam Sengupta, Ananya Kanjilal, Swapan Bhattacharya, “A Graph Based Approach to Measure Complexity of Component Based Architecture”, ACM Sigsoft Software Engineering Notes (SEN), Vol 36, Iss 1, Jan 2011.
- [5] 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, Iss 4, July 2010.
- [6] Ananya Kanjilal, Goutam Kanjilal and Swapan Bhattacharya, “Metrics based analysis of requirements for object-oriented systems: An empirical approach”, INFOCOMP Journal of Comp. Sc., Vol 7, No. 2, pp 26-36, June 2008.
- [7] Swapan Bhattacharya and Ananya Kanjilal “Code Based Analysis of Object Oriented Systems”, Journal of Computer Science & Technology JCST, Vol 21, No. 6, pp 965-972, November 2006.

Seminar Conference Attended / Organized

1. Attended and presented a paper in ICIMT'10, Hong Kong, December 2010.
2. Seminar on “Engineering of Software Products: Perspectives of Research & Applications“, NIT Durgapur, Jan 2009