University of Calcutta

Full name of the faculty member : **SANKHAYAN CHOUDHURY**
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Academic Qualifications:

College/ university from which the degree was obtained	Abbreviation of the degree
University of Calcutta	B.Sc. (Math Hons)
University of Calcutta	B.Tech (CSE)
University of Calcutta	M.Tech (CSE)
Jadavpur University	Ph.D

Positions held/ holding: *H.O.D from 02.02.2014-02.02.2016*

Research interests:
Research guidance:
Number of researchers awarded M.Phil/ Ph.D degrees : **2+**
Number of researchers pursuing M.Phil/ Ph.D : **5**

Projects:
Completed Projects:
Current Projects:

Select list of publications:
a) Journals:

1) M.Pal, N.chaki, S.Choudhury, "A Secure Hypercube based Team Multicast Routing Protocols (S-HTMRP)" accepted in International Advance Computing Conference IACC-2009., March 6-7,2009

2) A.Sarkar, S.Choudhury, N.Chaki, S.Bhattacharya, 'Measuring quality Metrices for Object oriented Multidimensional Conceptual Data Model', 9 th IASTED International Conference on Software Engineering and Applications, pp 94-99, November 16-18, 2008

3) S.kanrar, S.choudhury, N.Chaki, "A Link Failure Resilient Token based Mutual Exclusion Algorithm for Directed Graph Topology", Proc. of ISPDC 2008, Krakow , Poland

4) S.Choudhury, N. Chaki, S. Bhattacharya; "GDM: A New Graph Based Data Model Using Functional Abstraction"; accepted in the Journal of Computer Science & Technology (JCST), Vol. 21, No. 3, pp. 430-438, May 2006.

5) A.Samaddar, S Choudhury, N Chaki, S Bhattacharya; "An Efficient Fragmentation Methodology for a Distributed Graph Based Data Model"; Proceedings of IEEE sponsored International Conference ADCOM, December 2005.

6) S. Neogy, S Choudhury, N. Chaki; "An Adaptive Constant Time Hashing Scheme for Dynamic Key Set", Proceedings of TENCON 2004, Thailand, November 2004.

7) S.Choudhury, R.Dasgupta, S.Bhattacharya; "A Graph Object Oriented Database Model in Distributed Environment", Proceedings of IEEE TENCON, pp 85-88, 2002.

8) S.Choudhury, N.Chaki, S.Bhattacharya,"Graph Object Oriented Model and query Language: A semi-structured approach", IEEE sponsored International Conference on Info. Tech : Coding & Computing (ITCC 2001), Nevada , USA , pp. 685-689, 2001.

9) S.Choudhury, N.chaki, R.Dasgupta, "GOOM: A Graph Object Oriented Database Model", International Conference on Parallel and Distributed Processing Techniques and Applications, PDPTA, 2001, Las Vegas , Nevada , 2001

10) S.Choudhury, N.Chaki, S.Bhattacharya,"Conceptual Level Graph Theoretic Design and Development of Complex Information System", IEEE sponsored International Conference on Info. Tech : Coding & Computing (ITCC 2000), Nevada , USA , pp. 449-454, 2000.

11) S.Choudhury, S.Pramanik, S.Bhattacharya, "Graph theoretic modelling of semistructured Information system based on functional abstraction", Proc. of IASTED International conference on Applied Modeling and Simulation, pp. 518-522, 1998 .

12) N. Chaki, S. Choudhury, "Information Technology and its Applications in Business", Tee Dee Publications, January, 2004.

Patents: **1 (applied**)
Energy Efficient Integrated Routing Protocol (E2IRP) ISA IN-800283
Document Number: DN/20110158163; PCT Filed: March 05,
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