BIO DATA

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Date of birth	: December 4, 1976
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Academic Qualification :

(i) Ph.D. in Computer Science in the year 2008 from Indian Statistical Institute, Kolkata, India.
Thesis title: *Placement and range assignment in power-aware radio network.*

(ii) Master of Technology in Computer Science in the year 2002 from Indian Statistical Institute, Kolkata, India.

(iii) Master of Science in Applied Mathematics in the year 2000 from Calcutta University, Kolkata, India.

(iv) Bachelor of Science in Mathematics with Honors in the year 1998 from Calcutta University, Kolkata, India.

Work Experience :

(i) Associate Computer Scientist in Tor Anumana Technologies Pvt. Ltd., Kolkata from February 2008 till date.

(ii) Project Linked Personnel in the project titled *Sensor Network Management: A Geometric Approach* in Advanced Computing and Microelectronics Unit, Indian Statistical Institute, Kolkata from June 2007 to January 2008.

(iii) Research Fellow in the Department of Advanced Computing and Microelectronics Unit, Indian Statistical Institute, Kolkata from August 2002 to June 2007.

Current Research Interest : Data Structure, Geometric Algorithms, Approximation Algorithms, Graph Algorithms.

Teaching Experience:

(i) Worked as a teaching assistant in the *Design and Analysis of Algorithms* course offered to the M. Tech (Computer Science) 1^{st} year students (2006-2007 academic year) of Indian Statistical Institute. The duty involved teaching a part of the course and grading assignments.

(ii) Worked as a teaching assistant in the *Discrete and Computational Geometry* course offered to the M. Tech (Computer Science) 2^{nd} year students (2004-2005 and 2005-2006 academic years) of Indian Statistical Institute. The duty involved teaching a part of the course and grading assignments.

Academic Achievement:

Awarded National Scholarship from Government of India on the basis of undergraduate result for pursuing higher education.

Visits abroad:

Visited Department of Computer Science, City University of Hong Kong, Hong Kong, China during June 13-23, 2006.

List of References:

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List of Publications

Book Chapter

1. G. K. Das, S. Das and S. C. Nandy, *Range Assignment Problem in Wireless Network*, Indian Statistical Institute Platinum Jubilee Series on Statistical Science and Interdisciplinary Research- Algorithms, Information Security and Architecture, vol. 3, pp. 195-224, 2008.

Journals

1. G. K. Das and S. C. Nandy, *Weighted Broadcast Range Assignment in Linear Radio Networks*, Information Processing Letters, vol. 106, pp. 136-143, 2008.
2. G. K. Das, S. Roy, S. Das and S. C. Nandy, *Variations of Base Station Placement Problem on the Boundary of a Convex Region*, International Journal of Foundations of Computer Science, vol. 19, pp. 405-427, 2008.
3. G. K. Das, S. C. Ghosh and S. C. Nandy, *Improved Algorithm for Minimum Cost Range Assignment Problem for Linear Radio Networks*, International Journal of Foundations of Computer Science, vol. 18, pp. 619-635, 2007.
4. G. K. Das, S. Das, S. C. Nandy and B. P. Sinha, *Efficient Algorithm for Placing a Given Number of Base Stations to Cover a Convex Region*, Journal of Parallel and Distributed Computing, vol. 66, no. 11, pp. 1353-1358, 2006.
5. G. K. Das, S. Das and S. C. Nandy, *Range Assignment for Energy Efficient Broadcasting in Linear Radio Networks*, Theoretical Computer Science, vol. 352, pp. 332-341, 2006.

Manuscript under consideration in Journals

1. G. K. Das, S. Das and S. C. Nandy, *Homogeneous 2-hops broadcast in 2D*, Computational Geometry: Theory and Application (Submitted), 2008.
2. G. K. Das, D. Mukhopadhyay and S. C. Nandy, *Improved Algorithm for a Widest 1-corner Corridor*, Information Processing Letters (Submitted), 2009.
3. G. K. Das, A. Mukhopadhyay, S. C. Nandy, S. Patil and S. V. Rao, *Computing Straight Skeleton of a Monotone Polygon in $O(n\log n)$ Time*, Mathematics in Computer Science (Submitted), 2009.

Refereed Conference Proceedings

1. G. K. Das, D. Mukhopadhyay and S. C. Nandy, *Improved Algorithm for a Widest 1-corner Corridor*, Third Annual Workshop on Algorithms and Computation (WALCOM 2009), LNCS 5431, pp. 83-92, 2009.
2. G. K. Das and S. C. Nandy, *Weighted Broadcast in Linear Radio Networks*, International Conference on Algorithmic Aspects in Information and Management (AAIM 2006), LNCS 4041. pp. 343-353, 2006.

3. G. K. Das, S. Das and S. C. Nandy, *Homogeneous 2-hops broadcast in 2D*, The 2006 International Conference on Computational Science and its Application (ICCSA 2006), LNCS 3981, pp. 750-759, 2006.

4. G. K. Das, S. Das, S. C. Nandy and B. P. Sinha, *Placing a given number of base stations to cover a convex region*, International Workshop on Distributed Computing(IWDC 2005), LNCS 3741, pp. 57-62, 2005.

5. G. K. Das, S. C. Ghosh and S. C. Nandy, *Improved Algorithm for Minimum Cost Range Assignment Problem for Linear radio Networks*, International Workshop on Distributed Computing(IWDC 2004), LNCS 3326, pp. 412-423, 2004.

6. G. K. Das, S. Das and S. C. Nandy, *Efficient Algorithms for Energy Efficient Broadcasting in Linear Radio Networks*, International Conference on High Performence Computing (HiPC 2004), LNCS 3296, pp. 420-429, 2004.

7. G. K. Das, S. C. Ghosh and S. C. Nandy, *An Efficient Heuristic Algorithm for 2D h-Hops Range Assignment Problem*, IEEE Global Telecommunication Conference (GLOBECOM 2004), vol. 2, pp. 1051 - 1055, 2004.