

Curriculum Vitae

1. NAME : **DR. MD. SAIDUR RAHMAN**
2. Date of birth : 31 December 1966
3. Present position : Professor, Dept of Computer Science and Engineering,
BUET
4. Mailing Address : Department of Computer Science and Engineering
Bangladesh University of Engineering and Technology
Dhaka 1000, Bangladesh.
Email: saidurrahman@cse.buet.ac.bd
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5. Academic Qualifications:

Degree/ Examination	Institution (University/College/School /Department)	Year
<i>Ph.D.</i>	Dept. of System Information Sciences, Graduate School of Information Sciences, Tohoku University, Sendai 980-8579, Japan	1999
<i>M.Sc. (Master of Information Sciences)</i>	Dept. of System Information Sciences, Graduate School of Information Sciences, Tohoku University, Sendai 980-8579, Japan	1996
<i>M.Sc. Engg.</i>	Dept. of Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh	1992
<i>B.Sc. Engg.</i>	Dept. of Electrical & Electronic Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh	1989
<i>Higher Secondary Certificate (H.S.C.)</i>	Dhaka College, Dhaka, Bangladesh	1983
<i>Secondary School Certificate (S.S.C.)</i>	Santhia High School, Santhia, Pabna, Bangladesh	1981

6. Experiences (start from present):

Position	Organization	Duration
<i>Professor</i>	Dept. of Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh	16 October 2006 to date
<i>Associate Professor</i>	Dept. of Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh	27 August 2005 – 15 October 2006
<i>Associate Professor</i>	Dept. of System Information Sciences, Graduate School of Information Sciences, Tohoku University, Sendai 980-8579, Japan	01 April 2003 – 16 July 2004 (within the extra-ordinary leave from BUET from 23 November 2001 to 16 July 2004)
<i>Special Foreign Researcher (under JSPS Postdoctoral Fellowship)</i>	Dept. of System Information Sciences, Graduate School of Information Sciences, Tohoku University, Sendai 980-8579, Japan	27 November 2001 – 31 March 2003 (within the extra-ordinary leave mentioned above)
<i>Assistant Professor</i>	Dept. of Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh	11 April 1999 – 26 August 2005 (on extra-ordinary leave without pay from 23 November 2001 to 16 July 2004, on leave from 22 December 2004 to 11 March 2005)
<i>Lecturer</i>	Dept. of Computer Science & Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka 1000, Bangladesh	29 April 1991 – 10 April 1999 (on leave from 01 April 1993 to 31 March 1999)
<i>Assistant Engineer</i>	Institute of Computer Science, Atomic Energy Research Establishment, Bangladesh Atomic Energy Commission, Savar, Dhaka, Bangladesh	28 March 1990 – 28 April 1991

7. Membership/Fellowship of Learned Societies:

- *Fellow* (F-7169), The Institution of Engineers, Bangladesh.
- *Fellow* (F-160), Bangladesh Computer Society.
- *Member* (M-40294799), IEEE (from 1998 to 2000).
- *Student Member*, Information Processing Society of Japan (from 1995 to 1999).

8. Professional Awards / Honours Received:

- **Award**
 - University Grants Commission Award 2004
 - FUNAI Information Technology Award for Young Researchers 2004
 - Bangladesh Academy of Sciences Gold Medal Award for Junior Scientists 2003.
- **Scholarship and Fellowship**
 - Received *JSPS Postdoctoral Fellowship* from November 2001 to March 2003. (Research Title: *Graph Drawing Algorithms*.)
 - Received *MONBUSHO Scholarship* from April 1993 to March 1999.
 - Received merit scholarships in all levels of education in Bangladesh.

9. Research Interest:

Established a research group together with graduate and undergraduate students of the department of CSE and arranging a research presentation session every week. The fields of interest of this group are:

- Graph Algorithms
- Graph Drawing Algorithms
- VLSI Layout Algorithms
- Computational Geometry
- Generating Problems
- Internet Routing Protocols
- Bioinformatics

10. Research Grants Received:

- Received a grant of Taka 8,80,000 from Ministry of Science and Information & Communication Technology, Government Bangladesh for the project *Facility Upgradation for Sustainable Research on Graph Drawing and Information Visualization* in fiscal year 2009-2010.
- Received grant-in-aid for scientific research (Tokubetsu Kenkyuin Shorei-hi) from JSPS for doing research on *graph drawing algorithms* as follows:
 - 400,000 yen in 2001
 - 900,000 yen in 2002
- Received a grant of 270,000 yen from Telecommunication Advancement Foundation in 2003.

11. Professional Work at National and International Levels:

A. Program Committee Member

- a) 5th International Conference on Computer and Information Technology (ICCIT 2002), held in Dhaka, Bangladesh
- b) 11th International Symposium on Graph Drawing (GD 2003), held in Perugia, Italy.
- c) 13th International Symposium on Graph Drawing (GD 2005), held in Limerick, Ireland.
- d) 17th Annual International Symposium on Algorithms and Computation (ISAAC 2006), to be held in Kolkata, India.
- e) 1st Workshop on Algorithms and Computation (WALCOM 2007) held in Dhaka, Bangladesh – Program Co-chair
- f) 15th International Symposium on Graph Drawing (GD 2007), held in Sydney, Australia.
- g) 2nd Workshop on Algorithms and Computation (WALCOM 2008) held in Dhaka, Bangladesh – Program Co-chair
- h) 3rd Workshop on Algorithms and Computation (WALCOM 2009) held in Kolkata, India.
- i) 4nd Workshop on Algorithms and Computation (WALCOM 2010) held in Dhaka, Bangladesh – Program Co-chair

B. Guest Editor

Journal of Graph Algorithms and Application
Journal of Combinatorial Optimization

C. Served as a Referee

i Journal

- a) Discrete Mathematics Algorithms and Applications
- b) SIAM Journal on Computing
- c) Algorithmica
- d) Journal of Graph Algorithms and Applications
- e) Discrete Mathematics
- f) International Journal of Foundations of Computer Science
- g) Computational Geometry: Theory and Applications
- h) Information Processing Letters
- i) IEICE Trans. Fundamentals
- j) Journal of the Institution of Engineers, Bangladesh

ii Conference

- a) 1st International Conference on Computer and Information Technology (ICCIT 1998)
- b) 7th International Symposium on Graph Drawing (GD 1999)
- c) International Workshop on Algorithms and Data Structures (WADS 2001)
- d) 8th International Annual Computing and Combinatorics Conference (COCOON 2002)
- e) 13th Annual International Symposium on Algorithms and Computations (ISAAC 2002)
- f) 9th International Annual Computing and Combinatorics Conference (COCOON 2003)
- g) 10th International Annual Computing and Combinatorics Conference (COCOON 2004)
- h) 12th International Symposium on Graph Drawing (GD 2004)

- i) 7th International Conference on Computer and Information Technology (ICCIT 2004)
- j) International Conference on Electrical and Computer Engineering 2004 (ICECE 2004)
- k) 31st Workshop on Graph-Theoretic Concepts in Computer Science (WG 2005)
- l) 16th Annual International Symposium on Algorithms and Computation (ISAAC 2005)
- m) IEEE PacificVis 2008

D. Organizing Committee Member

Served as a steering committee member and the chairman of reception and decoration committee for organizing International Collegiate Programming Contest (ICPC), 2001 Dhaka site regional contest.

12. Participation in National Commissions, Committees, etc. commissioned by the Government of Bangladesh and Govt. Institution / Organizations:

- **2007 to 2009:** Council Member, Bangladesh Computer Council.
- **2007 to 2009:** Member, ICT Taskforce, Government of Bangladesh.
- **2007 to date:** *External Member*, Syllabus Committee of Dept. of Computer Science and Engineering, Khulna University, Khulna, Bangladesh.
- **2005-2006:** *Member*, Application Evaluation Committee (AEC) for recruitments of IT Specialist and MIS Specialist Consultants of Bangladesh Water Supply Program Project of Department of Public Health Engineering, Government of Bangladesh.
- **2005-2006:** *Consultant*, leader of a subcommittee of “Analysis, Design and Implementation of Backbone Connectivity, LAN, MAN, WAN and Related Service Setup at Bangladesh Secretariat” project.
- **2004:** *Member*, Selection Committee for recruitments in “Development of Infrastructure for IT Applications” project of Bangladesh Computer Council (BCC).
- **2001:** *Chairman*, Information Technology Branch Committee for establishing national standards of IT goods, Bangladesh Standards and Testing Institution (BSTI).
- **2001:** *Computer Expert*, Tender evaluation committee of the “Computerization of 35 branches project” of Rupali Bank.

13. Teaching activities undertaken (course and laboratory) at undergraduate and graduate levels:

Course No. and Title of the Courses Taught	Level	No. of Students	(Lectures Per Week) or (Hrs / Week)	Year
CSE 643: Computational Geometry	Undergraduate	30	3	2010
CSE 6405: Graph Drawing	Graduate	20	3	2010
CSE 6404: VLSI Layout Algorithms	Graduate	30	3	2009
CSE 421: Basic Graph Theory	Undergraduate	60	3	2009
CSE 203: Data Structures	Undergraduate	60	3	2009
CSE 6405: Graph Drawing	Graduate	15	3	2008
CSE 421N: Graph Theory	Undergraduate	60	3	2007
CSE 6404: VLSI Layout Algorithms	Graduate	20	3	2007
CSE 6405: Graph Drawing	Graduate	20	3	2006-2007
CSE 421N: Graph Theory	Undergraduate	60	3	2006-2007
CSE 203N: Data Structures	Undergraduate	60 + 60	3 + 3	2006
CSE 6404: VLSI Layout Algorithms	Graduate	40	3	2005-2006
CSE 103N: Discrete Mathematics	Undergraduate	60 + 60	3+3	2005
CSE 6403: Computational Geometry	Graduate	28	3	2005
CSE 304N: Database Sessional	Undergraduate	30	3	2004-2005
CSE 208N: Algorithms Sessional	Undergraduate	60	3	2004-2005
CSE 6900: Special Topics on Graph Drawing	Graduate	21	3	2004
Algorithm Theory*	Graduate	70	1.5	2004
Advanced Seminar on System Information Sciences A*	Graduate	25	4	2003-2004
Advanced Seminar on System Information Sciences B*	Graduate	25	4	2003-2004
Data Structures and Algorithms*	Undergraduate	50	1.5	2003-2004
Algorithm Theory*	Graduate	70	1.5	2003
CSE 6401: Graph Theory	Graduate	20	3	2001
CSE 401: Computer Networks	Undergraduate	47	3	2001
CSE 402: Computer Networks Sessional	Undergraduate	47	3	2001
CSE 318: Software Development	Undergraduate	24	3	2001
CSE 6403: Computational Geometry	Graduate	20	3	2000-2001

NB. * marked courses were taught in Tohoku University, Japan as an Associate Professor and the other courses were taught in the dept. of CSE, BUET.

14. Supervision of Thesis/Design Project at Undergraduate Level

Supervised more than 40 undergraduate students in the dept. of CSE, BUET in the field of Graph Drawing, Generating Problems, VLSI layout Algorithms, Electronic Voting, Bioinformatics etc.

Currently supervising 7 undergraduate students.

Served as a research mentor of two undergraduate students in Nishizeki Laboratory, Graduate School of Information Sciences, Tohoku University, Japan.

15. Supervision of Graduate Research Work:

Level (Masters/ Ph.D.)	Name of Students	Thesis Title	Year
<i>Ph. D.</i>	Md. Rezaul Karim	Straight-line Grid Drawings of Planar Graphs with Sub-Quadratic Area	2008
<i>M.Sc. Engg.</i>	Muhammad Jawaherul Alam	Minimum-Layer Drawings of Trees	2010
<i>M.Sc. Engg.</i>	Md. Shamsuzzoha Bayzid	On Pairwise Compatibility Graphs	2010
<i>M.Sc. Engg.</i>	Muhammad Abdullah Adnan	Minimum Segment Drawings of Outerplanar Graphs	2008
<i>M.Sc. Engg.</i>	Abul Hasan Samee	Minimum Segment Drawings of Series-Parallel Graphs With the Maximum Degree Three	2008
<i>M.Sc. Engg.</i>	Khaled Mahmud Shahriar	Bi-Chromatic Point Set Embeddings of Trees with Fewer Bends	2008
<i>M.Sc. Engg.</i>	Md. Shahidul Islam	A Simple Linear Algorithm For No-Bend Orthogonal Drawings of Series-Parallel Graphs	2007
<i>M.Sc. Engg.</i>	Abu Hasnat Mohammad Ashfak Habib	1-Bend Orthogonal Drawings of Triconnected Planar 4-Graphs	2007
<i>M.Sc. Engg.</i>	Tanveer Awal	Resource Partitioning of Planar Graphs	2007
<i>M.Sc. Engg.</i>	Utpal Kumar Paul	On st-Orientations and st-numbering of planar graphs	2007
<i>M.Sc. Engg.</i>	Md. Mostofa Ali Patwary	Hardness of Finding Minimum Face-Spanning Subgraphs of Plane Graphs	2006
<i>M.Sc. Engg.</i>	Mohammad Tanvir Irfan	Computing Beta-Drawings of 2-Outerplane Graphs	2006
<i>M.Sc. Engg.</i>	Mohammad Tanvir Parvez	Efficient Algorithms for Generating All Triangulations of Plane Graphs	2006
<i>M.Sc. Engg.</i>	Shubhashis Ghosh	Rectangular Drawings of Planar Graphs	2001
<i>M.Sc. Engg.</i>	Mahmuda Naznin	Orthogonal Drawings of Plane Graphs	2000
<p>Currently supervising 6 M.Sc. Engg. students in the dept. of CSE, BUET.</p> <p>Supervised Shin-ichiro Kawano, a Ph. D. student of Gunma University, Japan, for his Ph. D. Internship Research from July 30, 2005 to October 27, 2005 in BUET, Bangladesh.</p> <p>Served as a research mentor of three graduate students in Nishizeki Laboratory, Graduate School of Information Sciences, Tohoku University, Japan.</p>			

16. Contribution to the Department other than Teaching and Research:

a) Curriculum Improvement:Postgraduate Courses

- 2005:** Designed a new course entitled “Graph Drawing (CSE 6405)” which has been approved by the Academic Council of BUET.
- 2001:** Designed a new course entitled “VLSI Layout Algorithms (CSE 6404)” which has been approved by the Academic Council of BUET.

Undergraduate courses

- 2004-2006:** As a *member* of BUGS, actively participated in the revision of various old courses and inclusion of new courses of Theoretical Computer Science Group at undergraduate level. The revised syllabus has been approved by the Academic Council of BUET.
- 2001:** As a *member* of BUGS, actively participated in the revision of various old courses and inclusion of new courses at undergraduate level. The revised syllabus had been approved by the Academic Council of BUET.

b) Laboratory Development:Establishment new laboratories

- 2009-2010:** Established Graph Drawing and Information Visualization Lab in CSE dept. BUET under the project “Facility Upgradation for Sustainable Research on Graph Drawing and Information Visualization” supported by Ministry of Science and Information & Communication Technology, Govt. of Bangladesh.
- 2007-2009:** Played key role in establishing VLSI Design Automation Lab and Wireless Networking Lab, AI and Robotics Lab in the department of CSE.
- 2000-2001:** Actively participated in the establishment of three new laboratories: *Software Engineering Lab*, *Interfacing Lab*, and *Network Lab*. Worked as **lab-in-charge** while establishing *Network Lab*.

Preparing proposal for eight new laboratories

- 2000-2001:** As a *member* of the Lab development committee, actively participated in the preparation of lab proposals for eight new laboratories in the CSE Department. These laboratories are: Microcomputer Lab-B, Digital Lab-B, Microprocessor and Interfacing Lab, Network and Communication Lab, Multimedia and Graphics Lab, Database and ISD Lab, AI and Robotics Lab, VLSI Design Automation Lab.

c) Others:

- i. Served in the editorial committee for publishing undergraduate course calendar which is published in January 2006.
- ii. As a BPGS member, played important role in introducing thesis proposal presentation and pre-defence presentation for M.Sc. Engg. students of CSE department.

17. Contribution to the University Administration:

a) Head of the Department

- 23 October, 2007 to 23 October 2009: Head, Department of Computer Science and Engineering, BUET

b) Hall Administration:

- 19 April 2005 to 31 March 2007: Assistant Provost, Ahsanullah Hall, BUET.
- 1 January 2001 – 21 November 2001: Assistant Provost, Suhrawardy Hall, BUET.

c) Chairman or Member of Committees:

- **23 October, 2007 to 23 October, 2009:** *Chairman*, Board Undergraduate Studies, CSE Department, BUET.
- **23 October, 2007 to 23 October, 2009:** *Chairman*, Board Postgraduate Studies, CSE Department, BUET.
- **August 2005 to date:** Member, Academic Council, BUET.
- **2004:** *Member*, Selection Committee for recruitment of Lab Attendant for CSE department BUET.
- **July 2004 to date & August 1999 - November 2001:** *Member*, Board of Postgraduate Studies, CSE Department, BUET.
- **April 2003 – July 2004:** *Member*, Academic Council, Graduate School of Information sciences, Tohoku University, Japan.
- **August 1999 – November 2001:** *Secretary*, Board of Postgraduate Studies, CSE Department, BUET.
- **April 1999 to date:** *Member*, Faculty of Electrical & Electronic Engineering, BUET.
- **April 1991 to date:** *Member*, Board of Undergraduate Studies, CSE Department, BUET.

18. Name and Address of Three References:

- 1) *Prof. Takao Nishizeki, Ph D*
Graduate School of Information Sciences
Tohoku University
Sendai 980-8579
Japan
- (2) *Prof. Md. Shamsul Alam, Ph D*
Department of Computer Science and Engineering
Bangladesh University of Engineering and Technology (BUET)
Dhaka-1000, Bangladesh
- (3) *Prof. M. Kaykobad, Ph D*
Department of Computer Science and Engineering
Bangladesh University of Engineering and Technology (BUET)
Dhaka-1000, Bangladesh

19. LIST OF PUBLICATIONS

a) Graduate Text book

Takao Nishizeki and Md. Saidur Rahman, *Planar Graph Drawing*, World Scientific, Singapore, 2004 (a textbook for advanced undergraduate and graduate level).

The book appeared in the **bestseller** list of World Scientific in August 2005.

Citation count in Google Scholar on November 6, 2010: **65**

b) Edited Book

1. Md. Saidur Rahman and Satoshi Fujita (eds), WALCOM: Algorithms and Computation, Proc. of WALCOM 2010, Lecture Notes in Computer Science, 5942, Springer, 2010.
2. Shin-ichi Nakano, Md. Saidur Rahman (eds), WALCOM: Algorithms and Computation, Proc. of WALCOM 2008, Lecture Notes in Computer Science, 4921, Springer, 2008.
3. M. Kaykobad and Md. Saidur Rahman (eds), WALCOM 2007, Proceedings of Workshop on Algorithms and Computation, Bangladesh Academy of Sciences, 2007.

c) Journal Publications:

1. Muhammad Jawaherul Alam, Md. Abul Hassan Samee, Mashfiqui Rabbi, Md. Saidur Rahman, *Minimum-layer upward drawings of trees*, Journal of Graph Algorithms and Applications, 14(2), pp. 245-267, 2010.
2. Muhammad Jawaherul Alam, Mashfiqui Rabbi, Md. Saidur Rahman and Md. Rezaul Karim, *Upright drawings of graphs on three layers*, J. Appl. Math. & Informatics, 28(5-6), pp. 1347-1358, 2010.
3. Tanveer Awal and Md. Saidur Rahman, *A Linear algorithm for resource tripartitioning triconnected planar graphs*, INFOCOMP Journal of Computer Science, 9(2), p. 39-48, 2010.
4. Md. Rezaul Karim and Md. Saidur Rahman, *On a class of planar graphs with straight-line grid drawings on linear area*, Journal of Graph Algorithms and Applications, 13(2), pp. 153-177, 2009.
5. Md. Saidur Rahman, Kazuyuki Miura and Takao Nishizeki, *Octagonal drawings of plane graphs with prescribed face areas*, Computational Geometry: Theory and Application, 42, pp. 214-230, 2009.
6. Md. Nur Yanhaona, K. S. M. Tozammel Hossain and Md. Saidur Rahman, *Pairwise compatibility graphs*, Journal of Applied Mathematics and Computing, 30, pp. 479-503, 2009.
7. Md. Rezaul Karim, Kaiser Md. Nahiduzzaman and Md. Saidur Rahman, *A Linear-Time Algorithm for k-Partitioning Doughnut Graphs*, INFOCOMP Journal of Computer Science, 8(1), pp. 8-13, 2009.
8. Muhammad Abdullah Adnan and Md. Saidur Rahman, *Generating all distributions of objects to bins*, International Journal of Computer Mathematics, 86(3), pp. 383 – 392, 2009.
9. Muhammad Abdullah Adnan and Md. Saidur Rahman, *Distribution of distinguishable objects to bins: generating all distributions*, International Journal of Computer Mathematics, 84(7), pp. 953-965, 2007.
10. Muhammad Abdullah Adnan and Md. Saidur Rahma, *Efficient generation of evolutionary*

- trees*, INFOCOMP Journal of Computer Science, 6(1), pp. 30-36, 2007.
11. Md. Saidur Rahman, Noritsugu Egi and Takao Nishizeki, *No-bend orthogonal drawings of subdivisions of planar triconnected cubic graphs*, IEICE Transactions on Information and Systems, E88-D(1), pp. 23-30, 2005.
 12. Md. Saidur Rahman, Takao Nishizeki and Shubhashis Ghosh, *Rectangular drawings of planar graphs*, Journal of Algorithms, 50, pp. 62-78, 2004.
 13. Mohammad Mursalin Akon, Shah Asaduzzaman, Md. Saidur Rahman and Mitsuji Matsumoto, *Proposal for st-routing protocol*, Telecommunication Systems, 25(3, 4), pp. 287-298, 2004.
 14. Takao Nishizeki, Kazuyuki Miura and Md. Saidur Rahman, *Algorithms for drawing plane graphs*, IEICE Transactions on Information and Systems, E87-D(2), pp. 281-289, 2004.
 15. Md. Saidur Rahman, Takao Nishizeki and Mahmuda Naznin, *Orthogonal drawings of plane graphs without bends*, Journal of Graph Algorithms and Applications, 7(4), pp. 335-362, 2003.
 16. Masud Hasan, Md. Saidur Rahman and Takao Nishizeki, *A linear algorithm for compact box-drawing of trees*, Networks, 42(3), pp. 160-164, 2003.
 17. Md. Saidur Rahman, Shin-ichi Nakano and Takao Nishizeki, *Rectangular drawings of plane graphs without designated corners*, Computational Geometry: Theory and Applications, 21(3), pp. 121-138, 2002.
 18. Md. Saidur Rahman, Shin-ichi Nakano and Takao Nishizeki, *Box-rectangular drawings of plane graphs*, Journal of Algorithms, 37, pp. 363-398, 2000.
 19. Md. Saidur Rahman, Shin-ichi Nakano and Takao Nishizeki, *A linear algorithm for bend-optimal orthogonal drawings of triconnected cubic plane graphs*, Journal of Graph Algorithms and Applications, 3(4), pp. 31-62, 1999.
 20. Md. Saidur Rahman, Shin-ichi Nakano and Takao Nishizeki, *Rectangular grid drawings of plane graphs*, Computational Geometry: Theory and Applications, 10(3), pp. 203-220, 1998.
 21. Shin-ichi Nakano, Md. Saidur Rahman and Takao Nishizeki, *A linear-time algorithm for four-partitioning four-connected planar graphs*, Information Processing Letters, 62, pp. 315-322, 1997.
 22. Md. Saidur Rahman and Md. Shamsul Alam, *Token access protocols in multiple bus local computer networks*, Journal of Bangladesh Computer Society, 6(1), pp. 36-44, 1993.
 23. Md. Saidur Rahman and Md. Shamsul Alam, *Study of explicit and implicit token passing protocols in multiple bus LAN*, Journal of the Institution of Engineers, Bangladesh, 21(4), pp. 87-95, 1993.
 24. Mohammad Tanvir Parvez, Md. Saidur Rahman and Shin-Ichi Nakano, *Generating all triangulations of plane graphs*, Journal of Graph Algorithms and Applications, 2010 (to appear).
 25. Md. Rezaul Karim, Md. Jawaherul Alam and Md. Saidur Rahman, *Straight-line grid drawings of label-constrained outerplanar graphs with $O(n \log n)$ area*, Journal of Graph Algorithms and Applications, 2010 (to appear).
 26. Muhammad Nur Yanhaona, Md. Shamsuzzoha Bayzid and Md. Saidur Rahman, *Discovering Pairwise Compatibility Graphs*, Discrete Mathematics, Algorithms and Applications (DMAA) (to appear).
 27. Md. Mostofa Ali Patwary and Md. Saidur Rahman, *Minimum Face-Spanning Subgraphs of Plane Graphs*, AKCE International Journal of Graphs and Combinatorics (to appear).

d) Conferences (*national and international conferences and seminars*):

i) Proceedings:

1. Debajyoti Mondal, Rahnuma Islam Nishat, Md. Saidur Rahman, and Muhammad Jawaherul Alam, *Minimum-area drawings of plane 3-trees*, Proc. of 22nd Canadian Conference on Computational Geometry (CCCG 2010), pp. 191-194, 2010.
2. Sudip Biswas, Debajyoti Mondal, Rahnuma Islam Nishat and Md. Saidur Rahman, *Minimum-segment convex drawings of 3-connected cubic plane graphs*, Proc. of 16th Annual International Computing and Combinatorics Conference (COCOON 2010), Lecture Notes in Computer Science, 6196 Springer, pp. 182-191, 2010.
3. Muhammad Nur Yanhaona, Md. Shamsuzzoha Bayzid and Md. Saidur Rahman, *Discovering pairwise compatibility graphs*, Proc. of 16th Annual International Computing and Combinatorics Conference (COCOON 2010), Lecture Notes in Computer Science, 6196 Springer, pp. 399-408, 2010.
4. Rahnuma Islam Nishat, Debajyoti Mondal, and Md. Saidur Rahman, *Visibility drawings of plane 3-trees*, Proc. of 13th Japan-Korea Joint Workshop on Algorithms and Computation (WAAC 2010), pp. 2010..
5. Mohammad Tanvir Parvez, Md. Saidur Rahman and Shin-Ichi Nakano, *Generating all triangulations of plane graphs*, Proc. of WALCOM 2009, Lecture Notes in Computer Science, 5431, Springer, pp. 151-164, 2009.
6. Md. Rezaul Karim, Md. Jawaherul Alam and Md. Saidur Rahman, *Straight-line grid drawings of label-constrained outerplanar graphs with $O(n \log n)$ area*, Proc. of WALCOM 2009, Lecture Notes in Computer Science, 5431, Springer, pp. 310-321, 2009.
7. Abdullah Al Mueen, Md. Shamsuzzoha Bayzid, Md. Maksudul Alam, Md. Saidur Rahman, *A Heuristic Algorithm for Individual Haplotyping with Minimum Error Correction*, Proc. of the 2008 International Conference on BioMedical Engineering and Informatics (BMEI 2008), 1, pp. 792-796, 2008.
8. Md. Wasi-ur Rahman, Nusrat Sharmin Islam, and Md. Saidur Rahman, *A Linear Algorithm for Floorplan Compaction*, Proc. of the 5th International Conference on Electrical and Computer Engineering (ICECE 2008), pp. 964-969, 2008.
9. Md. Jawaherul Alam, Md. Abul Hassan Samee, Md. Mashfiqui Rabbi and Md. Saidur Rahman, *Upward drawings of trees on the minimum number of layers*, Proc. of WALCOM 2008, Lecture Notes in Computer Science, 4921, Springer, pp. 88-99, 2008.
10. Md. Abul Hassan Samee, Mohammad Tanvir Irfan and Md. Saidur Rahman: *Computing beta-drawings of 2-outerplane graphs in linear time*, Proc. of WALCOM 2008, Lecture Notes in Computer Science, 4921, Springer, pp. 81-87, 2008.
11. Muhammad Nur Yanhaona, K. S. M. Tozammel Hossain and Md. Saidur Rahman, *Pairwise compatibility graphs*, Proc. of WALCOM 2008, Lecture Notes in Computer Science, 4921, pp. 222-233, Springer, 2008.
12. Md. Rezaul Karim and Md. Saidur Rahman, *Four-connected spanning subgraphs of doughnut graphs*, Proc. of WALCOM 2008, Lecture Notes in Computer Science, 4921, Springer, pp. 132-143, 2008.
13. Md. Rezaul Karim and Md. Saidur Rahman, *Straight-line grid drawings of planar graphs with linear area*, Proc. of Asia-Pacific Symposium on vvisualisation (APVIS 2007), pp. 109-112, IEEE, 2007.

14. Md. Saidur Rahman, *Current research on planar graphs*, Proc. of International Conference on Information and Communication Technology (ICICT 2007), pp. 148-149, 2007.
15. Muhammad Abdullah Adnan and Md. Saidur Rahman, *Efficient generation of evolutionary trees*, Proc. of International Conference on Information and Communication Technology (ICICT 2007), pp. 32-35, 2007.
16. Md. Abul Hasan Samee and Md. Saidur Rahman, *Visualization of complete graphs, trees and series-parallel graphs for practical applications*, Proc. of International Conference on Information and Communication Technology (ICICT 2007), pp. 22-26, 2007.
17. Md. Abul Hassan Samee and Md. Saidur Rahman, *Upward Pplanar drawings of series-parallel digraphs with maximum degree three*, Proc. Workshop on Algorithms and Computation (WALCOM 2007), pp. 28-45, 2007.
18. Muhammad Abdullah Adnan and Md. Saidur Rahman, *Distribution of distinguishable objects to bins: generating all distributions*, Proc. of Workshop on Algorithms and Computation (WALCOM 2007), pp. 136-150, 2007.
19. Mohammad Tanvir Irfan and Md. Saidur Rahman, *Computing β -drawings of 2-outerplane graphs*, Proc. Workshop on Algorithms and Computation (WALCOM 2007), pp. 46-61, 2007.
20. Md. Mostofa Ali Patwary and Md. Saidur Rahman, *Minimum face-spanning subgraphs of plane graphs*, Proc. Workshop on Algorithms and Computation (WALCOM 2007), pp. 62-75, 2007.
21. Zalia Shams, Ahahina Ferdous, Kazi Zakia Sultana and Md. Saidur Rahman, *On resource bipartitioning problem*, Proc. of 4th International Conference on Electrical and Computer Engineering (ICECE 2006), pp. 308-311, 2006.
22. Md. Saidur Rahman, Noritsugu Egi and Takao Nishizeki, *No-bend orthogonal drawings of series-parallel graphs*, Proc. of Graph Drawing 2005, Lecture Notes in Computer Science, 3843, Springer, pp. 409-420, 2005.
23. Md. Saidur Rahman, Kazuyuki Miura and Takao Nishizeki, *Octagonal drawings of plane graphs with prescribed face areas*, Proc. of 30th Workshop on Graph-Theoretic Concepts in Computer Science (WG 2004), Lecture Notes in Computer Science, 3353, Springer, pp. 320-331, 2004.
24. Md. Saidur Rahman, Noritsugu Egi and Takao Nishizeki, *No-bend orthogonal drawings of subdivisions of planar triconnected cubic graphs*, Proc. of Graph Drawing 2003, Lecture Notes in Computer Science, 2912, Springer, pp. 387-392, 2004.
25. Md. Saidur Rahman, Noritsugu Egi and Takao Nishizeki, *Algorithm for no-bend orthogonal drawings of subdivisions of planar triconnected cubic graphs*, Proc. of 7th Japan-Korea workshop on Algorithms and Computation, pp.252-266, 2003.
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4. Muhammad Nur Yanhaona, Md. Shamsuzzoha Bayzid and Md. Saidur Rahman, *Not all graphs are pairwise compatibility graphs*, 3rd Annual Meeting of the Asian Association for Algorithms and Computation, POSTECH, Korea, May, 2010.
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