

Resume Of Dr. Ashutosh Gupta



Director, *School of Science*
School of Computer & Information Science (In-charge)
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Experience

Present Position Director, School of Science, UP Rajarshi Tandon
Open University, Allahabad

Reader, *Dept. of CS & IT*, F.E.T. M.J.P. Rohilkhand
University (MJPRU), Bareilly

Lecturer, *CSE Deptt, Engineering Degree Division*,
Institute of Engineering & Rural Technology
(IERT), Allahabad

Lecturer, *CSE Deptt, Dehradoon Institute of*
Technology, Dehradoon, Uttarkhand

Date of Birth: 20 Jan 1973

Professional and Educational Qualification:

- **Ph. D.**, Department of Computer Science and Engineering, Motilal Nehru National Institute of Technology (MNNIT), Allahabad, India, 2010.
- **Master of Engineering (M.E.)**, *Computer Science & Engineering*, Motilal Nehru Regional Engineering College (presently MNNIT), *University of Allahabad*, Allahabad-2001.

Residential Address: C-102, Sangam Link Apartment, Allapur, Allahabad- (UP)

Publications:

International Journal	International Conference	National Conference	Book Chapters	Books
20	13	02	02	03

A. International Journal (Last Five years)

1. R S Shukla, Neeraj Tyagi, Ashutosh Gupta, K K Dubey, *A New Position Based Routing Algorithm for Vehicular Ad Hoc Networks*, International Journal of Telecommunication Systems, pages: 1-16, Springer US, 2015, ISSN: 1018-4864, DOI=10.1007/s11235-015-0130-6, (SCI-Expanded) IF: 0.705.
2. Ravi Shankar Shukla, Neeraj Tyagi, Ashutosh Gupta, Kamlesh Kumar Dubey, *An Efficient Data Dissemination and Handover Scheme for Vehicular Ad hoc Networks*, (To appear) International Journal of Ad Hoc and Ubiquitous Computing, (SCI-Expanded) IF: 0.9.
3. Abhishek Kumar Mishra and Ashutosh Gupta, “*Secret Sharing Schemes using Thresholding*”, International Journal of Computer Science and Information Technology & Security (IJCSITS), Vol.6, No1, Jan-Feb 2016, pp-516-522, ISSN: 2249-9555.
4. A. Gupta and S. Agarwal. “*A Fast Dynamic Compression scheme for Natural language Text*”, International Journal of Computers & Mathematics with Applications, Vol: 60(12), pages: 3139–3151, 2010. Elsevier publications. (SCI), IF: 2.069.
5. Ashwani Gupta, Ashutosh Gupta, “*Image encryption using chaotic maps*”, International Journal Of Advanced Technology In Engineering And Science, Volume No 03, Special Issue No. 01, pages: 42-47, February 2015, ICAREMIT-15, ISSN: 2348-7550. IF = 1.012
6. Abhishek Kumar Mishra, Ashutosh Gupta and Ashish Kumar. “(n, n) Visual Cryptography based on Alignment of Shares”, *International Journal of Computer Applications* 60(18):1-4, December 2012. IF=0.821
7. A. Gupta and Pankaj. “*Compressed Differential Encoding for Semi-Static Compressors*”, INFOCOMP Journal of Computer Science, Vol 9(4), pp 28-33, December 2010.
8. A. Gupta and S. Agarwal. “*Searching a Pattern in Compressed DNA Sequences*”. Intl jnl of Bioinformatics Research and Applications (IJBRA). Vol 7, No: 2, pp:115- 129, 2011. Indexed in SCImago.
9. A. Gupta, A. Mishra and D. Rai. “*Analyzing the Parameters of Chaos Based Image Encryption Schemes*”. World Applied Programming Journal. Vol 1, No: 5, pp:294-299, December 2011. ISSN: 2222-2510
10. A. Gupta and S. Agarwal. *A novel approach for compressing the dna sequences using semi statistical compressor*. International Journal of Computers and Applications, Vol 33(3), ACTA Press, Calgary, Canada, 2011, Indexed in SCImago.
11. A. Gupta and S. Agarwal. *Partial Retrieval of Compressed Semi-Structured Documents*. International Journal of Computer Applications in Technology (IJCAT) Special Issue on: "Intelligent Text Processing with its Applications and Computational Linguistics". Vol 38(4), 2010. Indexed in SCImago.

B. International Conferences

1. Abhishek Mishra and Ashutosh Gupta, *Probabilistic Secret Sharing Scheme for Binary Images*, IEEE International Conference on Communication, Control and Intelligent Systems (CCIS), Mathura (India), pages 143-146, Nov 7-8, 2015.
2. Abhishek Mishra, Ashutosh Gupta, “*Extended Visual Secret Sharing with Cover Images using Halftoning*”, International Congress on Information and Communication Technology (ICICT-2015), Springer, 9 - 10 October, 2015, Udaipur, Rajasthan, India.
3. Abhishek Mishra, Ashutosh Gupta, “*Secret Sharing Scheme with Reversing*”, 2015 IEEE 1st International Conference on Next Generation Computing Technologies (NGCT-2015) Dehradun (India), 4-5 September 2015, pages 370 - 373.
4. Abhishek Mishra, Ashutosh Gupta, “*A Partition Based Visual Secret Sharing Schemes for Large Images*”, 2015 IEEE 1st International Conference on Next Generation Computing Technologies (NGCT-2015) Dehradun (India), 4-5 September 2015, page 426-431.
5. A. Gupta and S. Agarwal. “A Novel Approach of Data Compression for Dynamic Data”. In proc. of IEEE third International Conference on System of Systems Engineering, pages 262-266, June 2-4, 2008, California, USA.
6. Ashutosh Gupta and K. K. Dubey, *An efficient compressor for biological sequences*. IEEE 3rd International Advance Computing Conference (IACC), 2013, Page(s): 690 – 695, 22-23 Feb. 2013, Ghaziabad, ISBN: 978-1-4673-4527-9, INSPEC Accession Number: 13498895.
7. A. Gupta, V. Rishiwal and S. Agarwal, “Efficient Storage of Massive Biological Sequences in Compact form”. Proc. Of 3rd Intl conf. on contemporary computing- Part II, Volume 95, 2010, Noida, India, Aug 9 -11, 2010 Communications in Computer and Information Science Series, *Springer*.
8. A. Gupta and S. Agarwal. “New Transform for Improving Compression Performance in Natural Language Text”. In proc. of International Multi-Conference for Engineers and Computer Scientists (IMECS). Pages 564-567, March 2007, Hong-Kong.
9. A. Gupta and S. Agarwal. “Word Based Text Compression Using Encryption”. In proc. of International Multi-Conference for Engineers and Computer Scientists (IMECS). Pages 471-473, March 2007, Hong-Kong.
10. A. Gupta and S. Agarwal. “Block Based LZW Compression of Dynamic Documents”. In proc. of International Conference on Information and Communication Technology (IICT). Pages 261-263, July 2007
11. Vinay Rishiwal, Ashutosh Gupta, “Improved PCA Algorithm for Face Recognition”, proceeding of International e-Conference on Computer Engineering (IeCCE) 2012 Vol (2), Issue (1), January 2012. Pages: 55-59
12. Vinay Rishiwal, Ashutosh Gupta “An Efficient Secret Image Sharing Scheme”, proceeding of International e-Conference on Computer Engineering (IeCCE) 2012 Vol (2), Issue (1), January 2012. Pages: 42-48
13. K K Dubey, A. Gupta, “Handover scheme for vehicular Ad hoc Network”, 15th intl conf of intl academy physical sciences coniaps-15, Dec 9-13 2012, Raja Mangla University of Technology, Thailand.

C. National conferences

1. A. Gupta, S. Agarwal. "String Matching in End-Tagged Dense Code", *In Proc. National Seminar on Recent Advances in Information Technology, (RAIT'07)*, pages 143-149, Feb 2007.
2. A. Gupta, S. Agarwal. "A Dynamic Compression Scheme for Natural Language Text", *In Proc. National Seminar on Recent Advances in Information Technology, (RAIT'09)*, Feb 2009.

Academic Activities

[a] Short-term courses (STC/FDP) organized

1	Organizing Secretary	Parallel and Distributed Computing	Department of CS & IT, FET, MJP Rohilkhand University, Bareilly
2	Organizing Secretary	MATLAB-SIMULINK Programming	Department of CS & IT, FET, MJP Rohilkhand University, Bareilly

[b] Ph.D. Supervision: 02 (ongoing), 01 (submitted)

[c] Conference/Seminar/Workshop organized/attended:

1	Joint-Coordinator	Workshop on Bio Medical Imaging	Dept. of CS & IT, MJPRU, Bareilly
2.	Session Chair Track: Communication and Computers	Intl conf. on Academic Research in Engineering, Management and Information Technology	Dept. of CS & IT, MJPRU, Bareilly
3	Chairperson Track: CS & IT	Intl Conf. on Science & Technology: Exploring the potential of convergence	SMRS-Bareilly
4	Organizing Secretary	Symposium on Wavelets and Its Applications in Engineering Problems	Faculty of Engineering, MJPRU, Bareilly

[d] Invited Lecture[s] delivered

1	Architecture and Models of Parallel Computing	FDP on "Parallel & Distributed Computing" at MJPRU, Bareilly
2	Hand on Experiments in Parallel Virtual Machine	FDP on "Parallel & Distributed Computing" at MJPRU, Bareilly
3	Customizing LaTeX	STC on "MATLAB and LATEX: Simulation with Documentation" at MNNIT, Allahabad

[e] Text or Reference Books[s]/Book chapter[s] published/contributed

1. Ashutosh Gupta and Suneeta Agarwal 2013 Text Compression Schemes: Allowing partial Decompression and other operations ISBN -13: 978-3-639-51404-9 Scholar's Press - ISBN -10: 3639514041
2. Ashutosh Gupta 2013 Problem Solving through programming in C Written SLM on MCA/BCA Course for UPRTOU, Allahabad.
3. Ashutosh Gupta and Suneeta Agarwal 2008 **Book Title:** Lecture Notes in Electrical Engineering Vol. 6, "*Trends in Intelligent Systems and Computer Engineering (ISCE)*", **Chapters:**
 1. Transforming the Natural Language Text for Improving Compression Performance
 2. Compression Using Encryption
Editors: Oscar Castillo, Li Xu, Sio-long Ao, Year: 2008 Springer-Science and Business Media

Membership of Technical Society:

- Senior Member “International Association of Computer Science and Information Technology (IACSIT)”,
- Member of “Institution of Engineers” (IEI).
- Member of “International Association of Engineers (IAENG)”,.
- Member of “International Consortium for Electronic Business (ICEB)”.

Editorial Board Member

- International Journal of Information Technology and Software Engineering
- “World Applied Programming Journal
- International e-Conference on Computer Engineering (IeCCE) 2012 held on 30 Jan 2012 at Technology Institute of Dadaab, Kenya.
- Editor of Special issue entitled: "Digital Image Processing" Journal of Information Technology & Software Engineering.
- Advisory Board Member, Journal of BIOINFO Computer Engineering.
- Peertechz Journal of Computer Science and Engineering

Program Committee Member

- **Program Committee Member**, “Advances in Network Security and Applications”, 4th International Conference, CNSA 2011, Chennai, India, July 15-17, 2011, proceeding published in book “*Communications in Computer and Information Science*” Volume 196, 2011, Springer.
- **Program Committee Member**, “Trends in Network and Communications”, International Conferences, NeCOM, WeST, WiMoN 2011, Chennai, India, July 15-17,

2011. Proceeding published in “*Communications in Computer and Information Science*”, Volume 197, 2011, Springer.

- **Program Committee Member** of “*International Conference on Recent Advances in Information Technology (RAIT 2012)*” held at ISM Dhandbad University, Dhanbad, Jharkhand.
- **Program Committee Member** of “*International e-Conference on Computer Engineering (IeCCE) 2012*” held at Technology Institute of Dadaab, Kenya on January 15, 2012.
- **Program Committee Member** of “International Conference of Computer Science & Advanced Information Technology” to be held at Hyderabad, India on September 26-28, 2013.
- **Program Committee Member** of “3rd International Advanced Computing Conference” held at Ghaziabad, India on February 22-23, 2013
- **Technical Committee Member of 4th International Conference CONFLUENCE 2013** “The Next Generation Information Technology Summit”, 26th - 27th Sept. 2013 Amity University Uttar Pradesh, India.
- **Technical Committee Member of 1st International Conference ICAREMIT – 2015** , MJP Rohilkhand University, Bareilly, UP, 21-23 Feb 2015
- **Technical Committee Member of 1st International Conference on Next Generation Computing Technologies (NGCT-2015), *Current and Future Trends*, 4-5 September 2015 (Dehradun, India).**

Reviewer (Journals/Proceedings)

- **Reviewer** of *International journal of Information Sciences*, Elsevier
- **Reviewer** of INFOCOMP Journal of Computer Science.
- **Reviewer** of Computer Science Journals
- **Reviewer** of CNSA 2011, NECOM 2011, WEST 2011, WiMON 2011, AICTY 2011 series events held in Chennai, India.
- **Reviewer** of IEEE ICMLC 2011, China
- **Reviewer** of Scientific Research and Essays
- **Reviewer** of *International Conference on Recent Advances in Information Technology* held at ISM Dhandbad University, Dhanbad, Jharkhnad.
- **Reviewer** of “3rd International Advanced Computing Conference” held at Ghaziabad, India on February 22-23, 2013

Participation in the Administrative/Academic Work:

- Member of NBA Cell at MJP Rohilkhand Unievrsity, Bareilly
- Member of TEQIP Cell at MJP Rohilkhand Unievrsity, Bareilly
- ACITE Observer in CMAT 2012
- Member of Course Curriculum Committee to design the common syllabus for BCA for all the Universities of U.P.

- Academic In-charge of Department of. of CS & IT, MJP Rohilkhand University, Bareilly
- Member of Board of Studies in Department of. of CS & IT, MJP Rohilkhand University, Bareilly
- Member of Proctor Board at IERT, Allahabad
- Member of Extra-curricular activities at IERT, Allahabad



(Dr. Ashutosh Gupta)