




# Faculty Details



Title	Dr.	First name	Shikha	Last name	Gupta	Photograph
<i>Designation</i>		Assistant Professor in Selection Grade				
<i>Address Office</i>		S.S. College of Business Studies, Rohini, Sector 16, Delhi-110089				
<i>Phone No. Office</i>		22154581				
<i>Residence Mobile</i>		9873177370				
<i>E-mail</i>		shikhagupta@sscbsdu.ac.in				
<i>Educational Qualifications</i>						
<i>Degree</i>		<i>Institution</i>				<i>Year</i>
Ph. D.		University of Delhi				2017
M. Phil.		Madurai Kamraj University				2009
M.C.A.		University of Delhi				1997
B.Sc. Statistics (H)		University of Delhi				1994
<i>Career Profile</i>						
1997: Member of Technical Staff, HCL-Technologies, Noida 1998-2000: System Analyst, XRT-CERG Inc., PA, USA 2001-2007: Assistant Professor, S.S.College of Business Studies, University of Delhi 2008-till date: Assistant Professor in Selection Grade, S.S.College of Business Studies						
<i>Administrative Assignments</i>						
Participated /acted as convener in admission committee, timetable committee, purchase committee, internal assessment moderation committee, I.T society/festival/seminar, website committee, kartavya-social cause society, parishram- sports society, teacher in-charge- computer science, teacher representative on the college governing body.						
<i>Areas of Interest/Specialization</i>						
Social network analysis, Quantum-inspired computing, Evolutionary algorithms						
<i>Subjects taught (in recent years)</i>						
Database Management Systems, Operating Systems						



# Faculty Details



## Research Guidance

B.Sc. (H) Computer Science: 2005-11

M.Sc. Computer Science, University of Delhi: 2011-16

B.Tech. Computer Science: 2015-17

## Publications Profile

### Book Chapters- Published

Gupta, A., Gupta, S., & Kumar, N. (2009). Mining Frequent Closed Itemsets for Association Rules. In *Encyclopedia of Artificial Intelligence* (pp. 537-546).

Gupta, S., Taneja, S., & Kumar, N. (2015). Redefining the Classroom: Integration of Open and Classroom Learning in Higher Education. In *Macro-Level Learning Through Massive Open Online Courses (MOOCs)-Strategies and predictions for the future*.

### Research Papers- Presented in Conferences

Gupta, S., & Kumar, N. (2012). Higher Education – A Paradigm Shift Towards Integration of Traditional and Online Education. *Academic Congress, University of Delhi*. Delhi.

### Research Papers- Published in Conferences

Gupta, S., Khatri, B., Gupta, T., & Kumar, N. (2015). Modified partition integration method for community detection in multidimensional social networks. *Natural Computation (ICNC), 2015 11th International Conference on*. IEEE.

Gupta, S., & Kumar, N. (2014). GPU-based Massively Parallel Quantum Inspired Genetic Algorithm for Detection of Communities in Complex Networks. *ACM Genetic and Evolutionary Computation Conference (GECCO)*.

Gupta, S., & Kumar, N. (2014). Parameter Tuning in Quantum-Inspired Evolutionary Algorithms for Partitioning Complex Networks. *ACM Genetic and Evolutionary Computation Conference (GECCO)*.

Gupta, S., Taneja, S., & Kumar, N. (2014). Quantum Inspired Genetic Algorithm for Community Structure Detection in Social Networks. *ACM Genetic and Evolutionary Computation Conference (GECCO)*.

### Research Paper- Published in Journal

Gupta, S., Mittal, S., Gupta, T., Singhal, I., Khatri, B., Gupta, A. K., & Kumar, N. (2017). Parallel quantum-inspired evolutionary algorithms for community detection in social networks. In *Applied Soft Computing*, Volume 61, 2017, Pages 331-353, ISSN 1568-4946.



# Faculty Details



## Conference Attendance/ Presentations

<i>Date</i>	<i>Topic</i>	<i>Organization</i>
December 20-23, 2014	Attended International Conference on Big data Analytics, IIT Delhi.	University of Delhi and University of Aizu
December 16-18, 2014	Presented a paper titled "Measuring and predicting conference impact" at the Work-in progress symposium (WIPS, 2014), Department of Computer Science, University of Delhi, co-located with BDA 2014	University of Delhi
July 12-16, 2014	Attended and presented the paper "Quantum Inspired Genetic Algorithm for Community Structure Detection in Social Networks" in the international conference--- Genetic and Evolutionary Computation Conference (GECCO), Vancouver, B.C., Canada	ACM
July 12-16, 2014	Attended and presented the paper "Parameter Tuning in Quantum-Inspired Evolutionary Algorithms for Partitioning Complex Networks" in the international conference--- Genetic and Evolutionary Computation Conference (GECCO), Vancouver, B.C., Canada	ACM
July 12-16, 2014	Attended and Presented the paper "GPU-based Massively Parallel Quantum Inspired Genetic Algorithm for Detection of Communities in Complex Networks" in the international conference--- Genetic and Evolutionary Computation Conference (GECCO), Vancouver, B.C., Canada	ACM
February 14-16, 2014	Attended ACM India Annual Event	IIT Delhi
October 19, 2013	Attended IBM Collaborative Academia Research Exchange (I-CARE) Workshop	IBM Research, India & IBM India University Relations
December 24-26, 2012	Attended International Conference on Big data Analytics	University of Delhi and University of Aizu



# Faculty Details



September 6-7, 2012	Attended the conference The Academic Congress and presented the paper “Higher Education – A Paradigm Shift Towards Integration of Traditional and Online Education” in the “Enabling the Young- Redefining Education” section	University of Delhi
February 27, 2012	Participated in the Workshop on Under-graduate Teaching in Colleges	University of Delhi
December 21-23, 2010	Participated in the Workshop on Management of Voluminous Data	University of Delhi
December 22-23, 2008	Attended a Seminar on Best Teaching Practices	NIIT Institute of Information Technology
October 26, 2009	Attended IBM Collaborative Academia Research Exchange (I-CARE) Workshop	IBM Research, India
December 28-30, 2004	Participated in the Workshop on Elements of Statistics in Data Mining	University of Delhi

## Awards and Distinctions

Year	Award	Organization
2000	Employee of the Month Award for the month of July	XRT CERG America
1997	Obtained 3 <sup>rd</sup> rank in M.C.A.	University of Delhi
1994-96	University Post-Graduate Scholarship (B.Sc. (H) Statistics) for securing 2 <sup>nd</sup> rank in University	University of Delhi
1994	<ul style="list-style-type: none"> <li>• Smt. Velagalety Suvarchalamba Memorial Medal</li> <li>• Students Union Medal for standing 1<sup>st</sup> in Science Courses</li> <li>• Prize for 1<sup>st</sup> position in B.Sc. (H) Statistics III<sup>rd</sup> yr</li> </ul>	Sri Venkateswara College, University of Delhi
1993	I <sup>st</sup> Prize for standing first in B.Sc. (H) Statistics II <sup>nd</sup> yr	Sri Venkateswara College
1992	Lord Venkateswara Medal for being the best student of I <sup>st</sup> yr Science	Sri Venkateswara College

## Association with Professional Bodies

Member: ACM 2014-16

## Other Activity

Date	Topic	Organization
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# Faculty Details



December 15-18, 2015	Reviewer, International Conference on Big data Analytics	University of Delhi and University of Aizu
December 20-23, 2014	Member, Organizing Committee, International Conference on Big data Analytics, IIT Delhi	University of Delhi and University of Aizu
December 20-23, 2014	Reviewer, International Conference on Big data Analytics, IIT Delhi	University of Delhi, University of Aizu
December 14, 2013- January 4, 2014	Participated in Refresher Course in Mathematics/Computers/Operational Research/ Statistics	University of Delhi
January 2-22, 2013	Participated in Refresher Course in Mathematics/Operational Research/ Computer Science	University of Delhi
December 24-26, 2012	Member, Organizing Committee, International Conference on Big data Analytics	University of Delhi and University of Aizu
Jul-October, 2012	Successfully completed the online course on Quantum Computing	University of California, Berkeley (Coursera)
October-December, 2011	Successfully completed the online course on Machine Learning	Stanford University (Coursera)
April 3- May 1, 2007	Participated in Orientation Program	Jamia Millia Islamia
December 7-28, 2006	Participated in Refresher Course in Computer Science	Jamia Millia Islamia
March 20- May 1, 2000	Participated in Course on Object Oriented Analysis and Design-Advanced	Pennsylvania State University, PA, USA