

Dr. Anamika Gupta  
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## **Educational Qualifications**

B.Sc. (H) Mathematics from Delhi University, 1993  
M.C.A. from Department of Computer Science, Delhi University, 1996  
Ph.D. from Department of Computer Science, Delhi University, 2013

## **Work Experience**

July 2001 till date: Teaching in S. S. College of Business Studies, University of Delhi  
Aug 1999 to June 2001: Worked as Sr. Software Engineer in Impetus Technologies.  
July 1996 to July 1999: Worked as Sr. Software Engineer in DCM Data Systems.  
Jan 1996 to June 1996: Interned at National Informatics Centre, Delhi

Life member of Computer Society of India

Assistant Professor (Sr.) in Department of Computer Science, S.S. College of Business Studies, University of Delhi. Have five years of industry experience in Communication Technologies, more than eighteen years of teaching experience in programming languages, data mining and more than a decade of research experience in data mining. Have taught several subjects of B.Sc. (H) Computer Science, B.Tech (Computer Science), PGDCA, BIT. Some of the subjects taught are Programming using C++ and Java, Discrete Mathematics, Systems Programming, Internet Technologies, Data Mining, Data Structures, Computer Networks, Network Programming etc. Research interests are in the field of Association Rule Mining, Classification, Formal Concept Analysis, Machine Learning, Image Processing. Have published and presented several research papers in the international conferences and journals. Represented as a member of editorial board of several journals and member of program committee of several international conferences. Has reviewed NCERT class Xth book for ICT.

## **Awards and Distinctions**

1. Received Nav Kiran award in 5<sup>th</sup> national women excellence award ceremony organized by Women International Network, on 25 Nov, 2012
2. Received Best Teacher Award by Govt. Of NCT of Delhi in May 2013

## **College Activities**

Had been teacher-in-charge of various students activities like Kartavya – Social service forum, Darkroom – Photography Society, Fourth Wall – Dramatics Society, Kriti – Fine Arts Society, Enactus (Formerly known as SIFE), IT Society, Convergence - College seminar etc. Started NSS chapter in college.

Has handled various administrative roles like teacher-in-charge of Department of Computer Science, time table incharge, admission committee, member of screening committee for NAAC, teacher coordinator for IQAC AQAR criteria 7, member of member of attendance committee,

internal assessment monitoring committee, moderation committee, member of selection committee for several posts,

Had been superintendent and deputy superintendent for practical as well as theory examinations, had been head examiner in several papers over the years, has done university examination work for several years, has been involved in paper moderation work.

### **External Committees**

1. Reviewer, Textbook on Information and Communication Technology (ICT) for class IX by NCERT, published in Feb 2019
2. UGC Working Group Member for the subjects: Computer Networks (BSc G), Data Structures (BSc G), Computer Networks (BSc Hons), Data Analysis and Visualization (BSc Hons), Data Mining (BSc Hons), Unix Network Programming (BSc Hons)

### **Lectures delivered/Paper Presentation**

1. Held a workshop on “Python for Data Analysis” at SciPy Conference at IIT Mumbai on Nov 29<sup>th</sup> 2017
2. Delivered a lecture on “Latex-A Documentation Tool” at Refresher Course at CPDHE, DU on Mar 11, 2013
3. Paper Presentation on “Mining of Multiobjective Non-Redundant Association Rules in Data Streams” at 11<sup>th</sup> International Conference on Artificial Intelligence and Soft Computing (ICAISC), Poland in April 2012.
4. Delivered a presentation on Mining Closed itemsets in Data Streams in Workshop on Management of Voluminous Data at Department of Computer Science, DU, Dec 2010
5. Paper (Poster) presentation on “Mining Closed Itemsets in Data Streams” at IBM-IRL Collaborative Academia Research Exchange, IBM Research Lab, Delhi on Oct 26, 2009
6. Held a workshop on Association Rule Mining at DRDO in May 2009
7. Delivered a talk on “Creating web sites using HTML” at Refresher Course at CPDHE, DU in June 2007
8. Paper Presentation on “Incremental Classification Rules Based on Association Rules Using Formal Concept Analysis” at 4<sup>th</sup> International Conference on Machine Learning and Data Mining (MLDM), Germany, in July 2005.

### **Membership of International Program Committees**

1. Member of Editorial board of International Journal of Data Analysis, Techniques and Strategies ISSN: 1755-8050 (Print), ISSN: 1755-8069 (Online), Jan 2016 onwards
2. Selected as member of International Program committee of the 4<sup>th</sup> International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI 2012),, organized by University of Information Technology, Vietnam National University HCM and [Wrocław University of Technology](#) in Poland. Conference was held at Vietnam.
3. Selected as member of International Program committee of the 5<sup>th</sup> International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI 2013), organized by [University of Craiova](#) in Romania, and [Wrocław University of Technology](#) in Poland. Conference was held at Romania.

### **Special invitee in some external committee/Resource Person**

1. Resource Person in the workshop to review the first draft of ICT Textbook for class Xth at Central Institute of Educational Technology NCERT on May 14th 2019
2. Resource Person in the workshop to develop chapters for the textbook of ICT for class X by CIET, NCERT on March 27th, 2019
3. Resource Person in the workshop to develop chapters for the textbook of ICT for class X by CIET, NCERT on Feb 25th 2019
4. Resource Person in the workshop for Development of Textbooks of Computer Science and Informatics Practices for class XII by NCERT on Feb 1st 2019
5. Resource Person in the workshop for Development of Textbooks of Informatics Practices for class XI by NCERT on Oct 12th 2018

### **Research Guidance**

1. Guided several batches of M.C.A. for their 6-month Project of 150 marks.
2. Guided several batches of M.Sc. Computer Science for their one year research project of 750 marks
3. Guided several B.Tech student batches for their 6-month research project of 150 marks
4. Guided several batches of B.Sc.(H) Computer Science 3<sup>rd</sup> students for their research project of 150 marks

### **Research Publications**

1. Anamika Gupta, Gunjan Gupta, Arjun Malhotra, Khushboo Chitre, Ojasvi aggarwal, Nitesh Kumar Gupta, Intello- An Intelligent Chatbot for Replacing FAQs, Journal of Web Engineering and Technology, STM Journals, Vol 5, No 1, April 2018, ISSN: 2455-1880 (UGC approved)
2. Suganda Gupta, Anamika Gupta, E-Assessment Tools for Programming Languages: A Review, Proceedings of International Conference on Information Technology and Knowledge Management, Annals of Computer Science and Information Systems, Vol 14, 2017, ISBN 978-83-949419-2-5
3. Jyoti Joshi, Deepak Singh Pawar, Aditya Chaudhary, Anamika Gupta, E mentoring: a framework for alumni network, National Conference on Innovations in IT, Management & Education – Digital India Initiative (CSI Sponsored), Delhi, Mar 2015, ISBN: 978-16-31024-51-1, Pg 158-162
3. Lakshay Bhambri, Himanshu Rohilla, Surbhi Sharma, Anamika Gupta, Management System for an Educational Institute, National Conference on Innovations in IT, Management & Education – Digital India Initiative (CSI Sponsored),, Delhi, Mar 2015, ISBN: 978-16-31024-51-1, Pg 166-169
4. Anamika Gupta, Naveen Kumar, Vasudha Bhatnagar, Mining of Multiobjective Non-Redundant Association Rules in Data Streams, 11<sup>th</sup> International Conference on Artificial Intelligence and Soft Computing (ICAISC), Poland, April 2012. LNAI 7267, ISBN 978-3-642-29347-4, pg 73-81

5. Naveen Kumar, Anamika Gupta, Vasudha Bhatnagar, Lattice Based Associative Classifier, 4<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS), Taiwan, March 2012, LNAI 7196, ISBN 978-3-642-28487-8, pg 22-31
6. Anamika Gupta, Vasudha Bhatnagar, Naveen Kumar, Mining Closed Itemsets in Data Stream Using Formal Concept Analysis, 12<sup>th</sup> International Conference on Data Warehousing and Knowledge Discovery (DaWak), Spain, 2010, LNCS 6263, ISBN 978-3-642-15105-7, pp 285-296
7. Anamika Gupta, Vasudha Bhatnagar, Naveen Kumar, Mining Closed Itemsets in Data Streams, (Poster) IBM-IRL Collaborative Academia Research Exchange, IBM Research Lab, Delhi, Oct 26, 2009
8. Anamika Gupta, Naveen Kumar, Vasudha Bhatnagar, Analysis of Medical Data using Data Mining and Formal Concept Analysis, International Journal of Medical and Health Sciences, World Academy of Science, Engineering and Technology, Vol 1, No 11, 2007
9. Naveen Kumar, Anamika Gupta, Vasudha Bhatnagar, Fast Construction of Concept Lattice, (Poster) 4th International Conference on Concept Lattices and their Applications (CLA), Tunisia, 2006, LNAI 4923, [ISBN 978-3-540-78920-8](#), Pg 315-316
10. Anamika Gupta, Naveen Kumar, Vasudha Bhatnagar, Incremental Classification Rules Based on Association Rules Using Formal Concept Analysis, 4<sup>th</sup> International Conference on Machine Learning and Data Mining (MLDM), Germany, 2005. ISBN 3540269231, LNAI 3587, pg 11-20

### **Book Chapters**

1. Anamika Gupta, Kajal Gupta, Anurag Joshi, Devansh Sharma, Book Chapter on Tools for E-Assessment Techniques in Education: A Review, Handbook of Research on E-Assessment in Higher Education, Edited by Ana Azevedo (Polytechnic of Porto, Portugal) and José Azevedo (Polytechnic of Porto, Portugal), IGI Global, September 2018, ISBN: 9781522559368 DOI: 10.4018/978-1-5225-5936-8
2. Vasudha Bhatnagar, Anamika Gupta, Naveen Kumar, Algorithms for Association Rule Mining, Encyclopedia of Artificial Intelligence, Information Science Reference, IGI Global, 2009
3. Anamika Gupta, Shikha Gupta, Naveen Kumar, Mining Frequent Closed Itemsets for Association Rules, Handbook of Research on Innovations in Database Technologies and Applications, Information Science Reference, IGI Global, 2009

### **Innovation Projects**

1. Title: Web Based Automation for the Self Assessment of an Educational Institute  
 PI: Dr. Anamika Gupta  
 Co-PI: Dr. Poonam Verma, Principal, SSCBS  
 Dr. Gurjeet Kaur, Assistant Professor, SSCBS  
 Funding Agency: University of Delhi  
 Amount: 3.5 Lakh Rupees  
 Period: Aug 2015 to Mar 2017

2. Title: E-Mentoring in DU  
PI: Dr. Anamika Gupta  
Co-PI: Ms. Kishori R. Shankar, Assistant Professor, SSCBS  
Funding Agency: University of Delhi  
Amount: 3.0 Lakh Rupees  
Period: Nov 2013 to March 2015

### **Conference/Seminar/Workshop Organised**

1. Organized Workshop on “Media Careers of Tomorrow in the Digital World”, conducted by Ujjawal K. Choudhary, head of School of Media at Pearl Academy on Feb 13, 2019 at SSCBS.
2. Organized Lecture on “Role of IT in Market Research” by Mr. Rohit Jhamb, Senior Client Director, Ipsos, Netherlands, on Feb 28th 2019
3. Organized Workshop on ‘Best practices against fake information’ co-curated by WhatsApp and NASSCOM Foundation. On Apr 3, 2019 at SSCBS, Akash Ganga Auditorium
4. Organised 1-day remote assisted hands-on workshop on “ISCP” organised by FOSSEE group, IIT Mumbai on Jan 11, 2018 and another 1-day workshop on Jan 18, 2018
5. Organised 3-day remote assisted hands-on workshop on “Programming with Python” organised by FOSSEE group, IIT Mumbai on Jan 22-25, 2018
6. Organised an Industry talk on “Recent Trends in Web Technologies” by Mr. Raja Chabbara, CTO, Experience Global Mobile Technologies on Jan 17<sup>th</sup>, 2018
7. Organised a talk on Application Penetration testing by Mr. Karthik Verma, lecturer and examiner for the National Security Database Empanelment Programs, National Technical research Organisation, Govt of India, on Oct 2014
8. Organised a Workshop on Android Applications, Sept 13, 2014 to Sept 20, 2014 by NIIT technologies
9. Organised a Talk on Ux Design on Apr 12, 2014 by Mr. Ankur Sardana, Design Manager, Samsung
10. Organized a seminar on “Career Opportunities for Computer Science Graduates”. 15 Counselling sessions were conducted by the B.Sc. alumni of the SSCBS College.
11. Organizing member of international conference on Big Data Analytics by department of computer science, DU. 3 day conference was held at IIC, Lodi Road and was attended by more than 175 researchers from all over the world.
12. Organized a workshop on PHP-tool for creating dynamic web pages, at SSCBS, DU in April 2013

### **Training Programmes and Conferences Attended**

1. Attended FDP on Machine learning by Prof. Ramesh Agarwal, JNU, held at SSCBS on Jan 29<sup>th</sup> – Feb 3<sup>rd</sup> 2018
2. Attended workshop on R conducted by Department of Computer Science, DU on Feb 12<sup>th</sup> 2018
3. Attended 1-day remote assisted hands-on workshop on “ISCP” organised by FOSSEE group, IIT Mumbai on Jan 11, 2018
4. Attended Scipy Conference at IIT Mumbai, Nov29-30 2017
5. Attended Youth Adda on SDG Goal 5 organised by UNV, Pravah and Commutiny.

6. Attended 4<sup>th</sup> International Seminar on Management and Computing Technologies Vision 2050 organised by Ideal Institute of Management, technology and School of Law, GGSIPU University in Aug 2017
7. Attended the refresher course on Computer Science/Maths/Operation Research from CPDHE, DU, Jan2-22, 2013
8. Attended the refresher course on Education from CPDHE, DU, Mar 1-21, 2013
9. Attended International Conference on Big Data Analytics, University of Delhi and University of Aizu, Dec 24-26, 2012.
10. Attended Workshop on Management of Voluminous Data, Department of Computer Science, University of Delhi, Dec 21-23, 2010
11. Attended BM-IRL Collaborative Academia Research Exchange, IBM Research Lab, Delhi, Oct 26, 2009
12. Attended Autonomic Computing Workshop, IBM Research Lab, Delhi, March 28, 2007
13. Attended 3rd International Conference on Information Systems Security, University of Delhi, Dec 16-20, 2007
14. Attended 2nd Three-week Refresher Course in Computer Science, UGC-ASC, Jamia Millia Islamia, Delhi, Dec 7-28, 2006
15. Attended 79th Four-week Orientation Programme, UGC-ASC, Jamia Millia Islamia, Delhi, Nov 1-28, 2006
16. Attended 4th International Conference on Machine Learning and Data Mining in Pattern Recognition, Germany, July 9-11, 2005
17. Attended Workshop on Elements of Statistics in Data Mining, Department of Computer Science, University of Delhi, Dec 28-30, 2004
18. Attended VLDB Summer School on Frontiers of Database Technology, IIT Delhi, June 1-4, 2004
19. Attended Mathematics Training and Talent Search Programme, IIT Bombay, May 24- June 19, 1993