DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019
Faculty details proforma for College Website

Title	Ms		First Name	Rakhi	Last Name	Saxena	Photograph
Designation		**Assistant Professor**					
Address		**House no. 1737, Sector B-1, Vasant Kunj, New Delhi - 110017**					
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Residence							
Mobile		**9910172544**					
Email		**rsaxena@db.du.ac.in**					
Web-Page		**http://rakhisaxena.github.io/**					

Educational Qualifications		
Degree	Institution	Year
Ph.D.	**University of Delhi**	**Submitted**
M.Phil.	**Alagappa University**	**2006**
PG	**MCA, University of Delhi**	**1992**
UG	**Hansraj College, University of Delhi**	**1989**
Any other qualification		

Career Profile

Assistant Professor in University of Delhi since 2003. Before that I worked with software organizations – TCS, C-Dot, and NIIT.

Administrative Assignments

Areas of Interest / Specialization

Graph Mining, Social Networks, Data Sciences

Subjects Taught:

Research Guidance:

List against each head (If applicable)
1. *Supervision of awarded Doctoral Thesis*
2. *Supervision of Doctoral Thesis, under progress*

3. *Supervision of awarded M.Phil dissertations*
4. *Supervision of M.Phil dissertations, under progress*

Publications Profile

1. *Books/Monographs (Authored/Edited):*
2. *Research papers published in Refereed/Peer Reviewed Journals*
    a. Social Centrality using Network Hierarchy and Community Structure. Rakhi Saxena, Sharanjit Kaur, and Vasudha Bhatnagar. Data Mining and Knowledge Discovery, 32(5):1421-1443, 2018.
    b. Identifying Similar Networks using Structural Hierarchy. Rakhi Saxena, Sharanjit Kaur, and Vasudha Bhatnagar. Physica A: Statistical Mechanics and its Applications, 2018.
    c. Capitalizing on Hierarchical Graph Decomposition for Scalable Network Analysis,. Rakhi Saxena, Sharanjit Kaur, and Vasudha Bhatnagar. In Proceedings of the Very LargeDatabases (VLDB) 2018 Ph.D. Workshop.
    d. Leveraging Hierarchy and Community Structure for Determining Influencers in Networks. Sharanjit Kaur, Rakhi Saxena, and Vasudha Bhatnagar. In Proceedings of 19th International Big Data Analytics and Knowledge Discovery (DaWaK)),Lyon, France, pages 383-390, 2017.
    e. Leveraging Structural Hierarchy for Scalable Network Comparison. Rakhi Saxena, Sharanjit Kaur, Debasis Dash, and Vasudha Bhatnagar. In Proceedings of 27th International Database and Expert Systems Applications Conference (DEXA), Porto, Portugal, pages 287-302, 2016.
    f. Vasudha Bhatnagar, Sharanjit Kaur, Rakhi Saxena, and Dhriti Khanna. DASC: data aware algorithm for scalable clustering. Knowledge and Information Systems, 50(3):851{881, 2017.
    g. Sharanjit Kaur, Rakhi Saxena, Dhriti Khanna, and Vasudha Bhatnagar. Comparing data processing frameworks for scalable clustering. In Proceedings of the Twenty-Seventh International Florida Artificial Intelligence Research Society Conference, FLAIRS 2014, Pensacola Beach, Florida, May 21-23, 2014., 2014.

3. *Other publications (Edited works, Book reviews, Festschrift volumes, etc.)*
    a. Unit 3 - Fundamentals of Java Programming, in Database Management Applications, Class XII Students Handbook, CBSE
    b. Distributed Programming Models for Big Data Analytics, in Encyclopaedia of Business Analytics and Optimization, Volume II

Conference Organization/ Presentations :

List against each head (If applicable)
1. *Organization of a Conference: None*
2. *Participation as Paper/Poster Presenter*
    a. Capitalizing on Hierarchical Graph Decomposition for Scalable Network Analysis,. Rakhi Saxena, Sharanjit Kaur, and Vasudha Bhatnagar. Presented at the 44th International Very LargeDatabases (VLDB) 2018 Conference. Held in Rio de Janeiro, Brazil from 27th tp 31st August, 2018.
    b. Leveraging Hierarchy and Community Structure for Determining Influencers in Networks. Sharanjit Kaur, Rakhi Saxena, and Vasudha Bhatnagar. Presented at the 19th International Big Data Analytics and Knowledge Discovery (DaWaK)) Conference held in Lyon, France, from 28th to 31st August, 2017.

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

Association With Professional Bodies

- *Editing*
- *Reviewing*
- *Advisory*
- *Committees and Boards*
- *Memberships*
- *Office Bearer*

Other Activities

Signature of Faculty Member

- You are also requested to give your complete resume as a DOC or PDF file to be attached as a link on your department page.