Ramanujan College

FACULTY PROFILE

FIRST NAME	DEEPAKSHI	**MIDDLE NAME (if any)**		**PHOTOGRAPH (ATTACH BELOW)**
LAST NAME	SHARMA			
DEPARTMENT	MATHEMATICS			
DESIGNATION	ASSISTANT PROFESSOR			
GENDER	FEMALE			
LANGUAGE PROFICIENCY	ENGLISH HINDI			
ADDRESS	Ramanujan College University of Delhi			
EMAIL	**DEEPAKSHI@ramanujan.du.ac.in**			

EDUCATIONAL QUALIFICATIONS:

DEGREE	INSTITUTION	YEAR
BSC(H) Mathematics	Miranda House University of Delhi	2011
MSC Mathematics	Miranda House University of Delhi	2013
PhD	South Asian University	2018

CAREER PROFILE: TEACHING EXPERIENCE

Ramanujan College 6 years

CAREER PROFILE: INDUSTRY EXPERIENCE
None

ADMINISTRATIVE ASSIGNMENTS: (List any administrative roles or responsibilities you have held)
None

AREAS OF INTEREST / SPECIALIZATION: (Highlight your specific areas of interest or fields of specialization within your subject area)
Graph Theory Mathematical Finance

SUBJECTS TAUGHT: (List all the subjects you have taught)
Graph Theory Mathematical Finance Discrete Mathematics Linear Algebra Cryptography

COURSE DEVELOPMENT: (Mention any courses you have developed or contributed to designing)
Graph Theory

RESEARCH GUIDANCE: (Provide details on research supervision, indicating the number of doctoral and postgraduate students guided)
None

PUBLICATIONS PROFILE: RESEARCH PAPERS (List your published research papers, including the title, journal, and year)

eepa Sinha and **Deepakshi Sharma**. "Algorithmic characterization of signed graphs whose two path signed graphs and square graphs are isomorphic." *International Conference on Soft Computing Techniques for Engineering and Technology (ICSCTET),* IEEE, (2014). (Scopus)

Deepa Sinha and **Deepakshi Sharma**. "On Square and 2-path Signed Graph." *Journal of Interconnection Networks* 16.01 (2016): 1550011. (Scopus and DBLP library)

Deepa Sinha and **Deepakshi Sharma**. "Structural Properties of Absorption Cayley Graphs." *Appl. Math* 10.6 (2016): 2237-2245. (Scopus)

Deepa Sinha and **Deepakshi Sharma**. "Absorption cayley graph." *Electronic Notes in Discrete Mathematics* 53 (2016): 395-412. (Elsevier, Scopus)

Deepa Sinha and **Deepakshi Sharma**. "On 2-path signed graphs." *Computational Intelligence (IWCI), International Workshop on*. IEEE, (2016). (Scopus)

Deepa Sinha and **Deepakshi Sharma** " Characterization of 2-path product signed graph", *Computational Intelligence and Neuroscience* 2017(2017). (SCI and Scopus)

Deepa Sinha and **Deepakshi Sharma**. "Iterated local transitivity model for signed social networks." *Applicable Algebra in Engineering, Communication and Computing* (2017): 1-19.(SCI , Scopus, Springer)

Deepa Sinha and **Deepakshi Sharma**. "Transitivity Model on Signed Graphs." *Electronic Notes in Discrete Mathematics* 63 (2017): 455-460.(Elsevier, Scopus)

 Deepa Sinha, **Deepakshi Sharma**, and Bableen Kaur. "Signed Zero-Divisor Graph." *Electronic Notes in Discrete Mathematics* 63 (2017): 517-524. (Elsevier, Scopus)

Deepa Sinha and **Deepakshi Sharma**. "On the Properties of Square Signed Graph." *National Academy Science Letters*41.4 (2018): 233-238. (Scopus, SCI, Springer)

Deepa Sinha and **Deepakshi Sharma**. "Square Signed Graph." *National Academy Science Letters* (2019). (Scopus, SCI, Springer)

Deepa Sinha and **Deepakshi Sharma**. "Characterization of 2-path signed network." *Complexity 2020* (2020). (Scopus, SCI, Springer)

PUBLICATIONS PROFILE: BOOK CHAPTERS (List your published book chapters, including the title, publisher, ISBN and year)

 None

PUBLICATIONS PROFILE: OTHERS (Mention any other relevant publications details)

None

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

None

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

None

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

None

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

None

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

None

AWARDS AND DISTINCTIONS:

None

ASSOCIATION WITH PROFESSIONAL BODIES:

None

OTHER ACTIVITIES: (Include any additional relevant activities or contributions not covered in the above sections.)

None