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| Name of the Faculty: DR. DEEPAKSHI SHARMA | |
|  | Designation and Department ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS |
| | Education and Training Ph. D. (Mathematics) (2018), Department of Mathematics, South Asian University. Title of Thesis: Advances in signed graph-theoretic structures and models M. Sc. (Mathematics) (2013), Miranda House , University of Delhi B. Sc. (Mathematics) (2011) Miranda House, University of Delhi |
| | Contact info Mobile No: +91-9654171728 Email: deepakshi.sharma1990@gmail.com |
| Subjects Taught Financial Mathematics, Programming language C++. | |
| Research Publications <ol style="list-style-type: none"> 1. Deepa Sinha and Deepakshi Sharma. "Algorithmic characterization of signed graphs whose two path signed graphs and square graphs are isomorphic." <i>International Conference on Soft Computing Techniques for Engineering and Technology (ICSCTET)</i>, IEEE, (2014). (Scopus) 2. Deepa Sinha and Deepakshi Sharma. "On Square and 2-path Signed Graph." <i>Journal of Interconnection Networks</i> 16.01 (2016): 1550011. (Scopus and DBLP library) 3. Deepa Sinha and Deepakshi Sharma. "Structural Properties of Absorption Cayley Graphs." <i>Appl. Math</i> 10.6 (2016): 2237-2245. (Scopus) 4. Deepa Sinha and Deepakshi Sharma. "Absorption cayley graph." <i>Electronic Notes in Discrete Mathematics</i> 53 (2016): 395-412. (Elsevier, Scopus) 5. Deepa Sinha and Deepakshi Sharma. "On 2-path signed graphs." <i>Computational Intelligence (IWCI), International Workshop on.</i> IEEE, (2016). (Scopus) 6. Deepa Sinha and Deepakshi Sharma " Characterization of 2-path product signed graph", <i>Computational Intelligence and Neuroscience</i> 2017(2017). (SCI and Scopus) | |

7. 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)
8. Deepa Sinha and **Deepakshi Sharma**. "Transitivity Model on Signed Graphs." *Electronic Notes in Discrete Mathematics* 63 (2017): 455-460.(Elsevier, Scopus)
9. Deepa Sinha, **Deepakshi Sharma**, and Bableen Kaur. "Signed Zero-Divisor Graph." *Electronic Notes in Discrete Mathematics* 63 (2017): 517-524. (Elsevier, Scopus)
10. Deepa Sinha and **Deepakshi Sharma**. "On the Properties of Square Signed Graph." *National Academy Science Letters* 41.4 (2018): 233-238. (Scopus, SCI, Springer)
11. Deepa Sinha and **Deepakshi Sharma**. "Square Signed Graph." *National Academy Science Letters* (2019). (Scopus, SCI, Springer)

Administrative Responsibilities

1. Convenor –Panache the fashion society
2. Member- DNA dance society
3. Member- Bhangra society

Any Other

1. Learnt Indian classical dance (Kathak) and obtained degree from Prayag Sangeet Samiti. (Completed junior diploma, senior diploma, prabhakar i.e graduation)
2. Active member of Student council of school.
3. Volunteered in the Publicity Department for the annual college festival of Miranda House – Tempest. (2008).
4. In the organizing committee of ORIGIN, annual Festival of the Mathematics Society, Miranda House. (2009-2010).
5. Volunteered in counseling the students during admission process. (2009-2011).
6. Class representative for batch in (2010).
7. Volunteered in Inspire Internship program held in Miranda House. (2010).
8. Volunteered in International conference on current trends in Graph theory and computation, organized by South Asian University. (2016).