DR. ANU SAXENA

DEPARTMENT OF MATHEMATICS

Dr. Saxena is an Associate Professor in the department.

Her area of specialisation is ORTHOGONAL POLYNOMIALS, OPERATOR THEORY, HARMONIC ANALYSIS. Her areas of interest include OPERATOR THEORY, MATHEMATICS OF FINANCE, DIFFERENTIAL EQUATIONS, GRAPH THEORY.

An academician of repute, her presentation in the conference "Functions and Operators 2010 '' on "Comparison of Spectra of dilation Operators under different inner products '' was well acknowledged.

Coordinated Science Academies' Lecture Workshop in "Game Theory and Graph Theory" hosted by Jesus and Mary College, fully funded by Joint Panel of The National Academy of Sciences (Allahabad), Indian National Science Academy, New Delhi and Indian Academy of Sciences, Bangalore from 10th- 12th of August, 2017.

Organised a workshop on Sexual Harassment at workplace for the department

Guided Dr. Shikha and Dr. Monica to organise Self defense workshop for department students

Got undergraduate research started in the department. Planned and co coordinated a certification course on R. Guided faculty and students to work on undergraduate research papers

Qualifications: Ph.D.

Publications:

1. Closability of operators arising from thin infinite matrices and applications to orthogonal polynomials. Author:Anu Saxena , Ajit Iqbal Singh J. Math. Sci. (N.S.) (Delhi), 2002, Vol.1, p. American Mathematical Society MR number 2017371, Reviewed by N.K.Thakre.

2. Frank Filbir, Roland Girgensohn, Anu Saxena, Ajit Iqbal Singh, Ryszard Szwarc, "Simultaneous Preservation of Orthogonality of Polynomials by Linear Operators Arising from Dilation of Orthogonal Polynomial Systems", Journal of Computational Analysis and Applications April 2000, Volume 2, Issue 2, pp 177-213