



GARGI COLLEGE

(University of Delhi)
Siri Fort Road, New Delhi-49

Dr. Promila Kumar
Department of Mathematics
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Professional Summary

Associate Professor in the Department of Mathematics, Gargi College, University of Delhi, with 34 years of experience.

Area of Specialization is **Mathematical Programming**.

Education

Ph.D., 1999

“Duality and Optimality for Problems of Control and n-Set Functions”

University of Delhi, Delhi

M.Phil., 1981

“Recent Developments in Complementarity Theory”

University of Delhi, Delhi

M.Sc(Mathematics), 1980

Hindu College, University of Delhi, Delhi

(First position in the University)

B.Sc(Hons)Mathematics, 1978

Hindu College, University of Delhi, Delhi

(Second position in the University)

Research Experience

- **Co- authored** and published 17 research papers in the journals of National and International repute.
- **Presented** papers in various national and international conferences in India as well as abroad.
- Contributed a **Chapter** “Reigning in the Mathematical demon” in Quest for Excellence – Policy and Practices of undergraduate Education, 2013 (ISBN: 978-81-925419-8-3)

- **Delivered a talk** on “Various Solution Concepts And Related Generalisations Of Invexity In Optimization Theory” in a two day national conference on Optimization Modelling and Machine learning Techniques, organized by the Department of Mathematics, Panjab University ,on 20-21 March ,2015 .
- Attended an International Conference on Optimization Modelling and Applications (OPTIMA – 2012) during 29th November – 1st December, 2012 and **chaired a technical session.**
- National Symposium on Recent Advances in Optimization Theory and Applications at Academic Research center, University of Delhi in October 27-28, 2006.**Member of the organizing committee.**
- **Supervised M.Phil.** student of University of Delhi, for writing dissertation entitled “Generalized Invexity with Applications in Mathematical Programming”.
- **Supervising four Ph.D.** students in the Department of Mathematics, University of Delhi.

Relevant Accomplishments

- Convenor – Orientation Programme
Two-day orientation in the “**Role of e-technology in Academic Research and Teaching-Learning Interactions**” was organize in Gargi college, for students teachers and non-academic staff.
- Convenor – ICT Workshop
Three workshops on “**Capacity Building of Teachers in Delhi University**” were organized in Gargi College. These were powered by “Institute of Life Long Learning”.
- Coordinator – Vedic Mathematics
Developed and organized Add on course on **Vedic Mathematics** for undergraduate students to enhance their computational skills.
- Facilitator – AOL
Initiated and organized “**Art of Living**” course for the academic staff , conducted by “Vyakti Vikas Kender”.

Affiliations

- Operational Research Society of India.
- Alumni Association of Faculty of Mathematics, University of Delhi.
- Working group on Generalized Convexity and Monotonicity.
- International Association of Engineers.