Ramanujan College

FACULTY PROFILE

FIRST NAME	**Mr. Pappu**	**MIDDLE NAME (if any)**		**PHOTOGRAPH (ATTACH BELOW)**
LAST NAME				
DEPARTMENT	Mathematics			
DESIGNATION	Assistant Professor			
GENDER	Male			
LANGUAGE PROFICIENCY	Bundeli, Hindi and English			
ADDRESS	1855/10 Govindpuri Ext, Kalkaji, New Delhi-110019			
EMAIL	**Pappuiitb@gmail.com**			

EDUCATIONAL QUALIFICATIONS:

DEGREE	INSTITUTION	YEAR
BSc.(Hons)	Banaras Hindu University	2008
MSc.	Indian Institute of Technology, Bombay	2010
M.Phil.	University of Delhi	2012
Ph.D(Pursuing)	University of Delhi	--

CAREER PROFILE: TEACHING EXPERIENCE

- Working as an Assistant Professor (Permanent) in the Department of Mathematics, Ramanujan College, University of Delhi, Delhi, since 5-3-2014.

- Worked as an Assistant Professor on ad-hoc basis in the Department of Mathematics, Shivaji College, University of Delhi, from 24-7-2013 to 5-3-2014.

- Worked as an Assistant Professor on ad-hoc basis in the Department of Mathematics, Sri Venkateswara College, University of Delhi, from 3-1-2013 to 22-5-2013.

- Worked as an Assistant Professor on ad-hoc basis in the Department of Mathematics, Satyawati College, University of Delhi, from 1-8-2012 to 15-12-2012.

CAREER PROFILE: INDUSTRY EXPERIENCE

NA

ADMINISTRATIVE ASSIGNMENTS: (List any administrative roles or responsibilities you have held)

- Teacher-In-Charge, Department of Mathematics, Ramanujan College from 3rd October 2022 to 31st May 2023.

- Member of Internal Complaint Committee with effect from 8th June 2021 for a period of three years.

- Teacher-In-Charge, Department of Mathematics, Ramanujan College from May 2020 to May 2022.

- Member, Governing Body, Ramanujan College for the period 2020-2021

- Convener, Admission committee, mathematical sciences from 2020 to 2022.

- Convener, Feedback committee from 2019 to 2022.

- Liaison Person for the Dept. of Mathematics, regarding NAAC Cycle II visit.

- Teacher-In-Charge, Department of Mathematics, Ramanujan College from May 2016 to April 2018.

- Member of various committees like Admission committee, Foundation Day committee, Purchase committee, Diamond Jubilee celebration Committee, Arts Society, Maintenance Committee, screening committee for appointment of non-teaching post.

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

Operator theory, Frame theory

SUBJECTS TAUGHT: (List all the subjects you have taught)

Analysis, Numerical methods and Statistics, Calculus, Algebra, Linear algebra, Differential Equations, Partial differential equations, Analytic geometry and applied algebra, Group theory, Real analysis. LaTeX and HTML, Document preparation and presentation software.

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

NA

RESEARCH GUIDANCE: (Provide details on research supervision, indicating the number of doctoral and postgraduate students guided)

NA

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

- Pappu, Rastogi, S. and Srivastava. S. "Eventual positivity, Perturbations and Delay semigroups", Positivity 29, 12 (2025).

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

NA

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

NA

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

- Core member of the organizing committee of the **International Conference on Graphs, networks and Combinatorics (ICGNC 2023)** organized by Department of Mathematics, Ramanujan College, University of Delhi held during 10-12, January, 2023.

- Organizer of two weeks online "**Refresher Course in Applicable Mathematics**" under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Education, Govt. of India, Ramanujan College in collaboration with JSS Science and Technology University, Sri Jayachamarajendra College of Engineering, JSS Technical Institution Campus, Mysuru from July 26 to August 08, 2022.

- Organizer of two-weeks online "**Refresher Course in Mathematics**" under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Education, Govt. of India from August 13-September 14, 2021.

- Organizer of one-week online workshop on "Recent Trends in Domination and Graph Labelling (RTDGL 2021)" organized by Department of Mathematics, Ramanujan College, University of Delhi in collaboration of Academy of Discrete Mathematics and Applications (ADMA) from May 27-31, 2021.

- Organizer of two weeks online "**Refresher Course in Mathematics**" under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Education, Govt. of India from March 16-30, 2021.

- Core member of the organizing committee of the International Conference on Applicable Mathematics with the theme "Network Science" organized by Department of Mathematics, Ramanujan College, University of Delhi held during 19-21 December 2019

- Core member of the organizing committee for the Foundation Day 2016.

- Core member of the organizing committee for the Foundation Day 2014.

- Organizer of Two Days Faculty Development Program on "Computational, Mathematical and Statistical Techniques (CMST-2014)" held at Ramanujan College, University of Delhi, from 31st October 2014 -1st November 2014.

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

NA

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

- Participated in twenty days "**Refresher Course on Shrimad Bhagavad Gita: Enlightenment and Relevance"** under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Education, Govt of India, organized by BHĀRATAM-Bhārtīya Gyān Paraṁparā: Adhyayan, Adhyāpan Evam Anusaṁdhān Kendra, Ramanujan College, University of Delhi, New Delhi, held from 22 December 2023 to 10 January 2024.
- Participated in the "**International Conference on Spectral and Approximation Theory, ICSAT**, 2023," organized by Department of Mathematics, Cochin University of Science and Technology, Kochi, Kerala, during November 27-30, 2023.
- Participated in a two-weeks online "**Refresher Course in Applicable Mathematics"** under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Education, Govt of India, organized by Teaching Learning Centre, Ramanujan College, in collaboration with Deshbandhu College, University of Delhi, New Delhi, from 15-29 December 2021.
- Participated in a two-weeks online **Faculty Development Programme on "Managing Online Classes and Co-Creating Moocs:2.0"** under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Human Resource Development (MHRD) from May 08-June 03, 2020.
- Participated in a two weeks **Faculty Development Programme on "Recent Advances in Research Methodology"** under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Ministry of Human Resource Development (MHRD) held at Ramanujan College, University of Delhi, New Delhi, from 17-28 January 2020.
- Participated in a one-week **Faculty Development Programme on "Teachers, Teaching and Taught: Discovering New Meanings, Relationships and Purpose"** organized by Internal Quality Assurance Cell and Teaching Learning Centre, Ramanujan College, University of Delhi from 1-7 January, 2020.
- Attended NCM Workshop on "**Operator algebra, Quantum groups and Noncommutative Geometry**" held at the Indian Institute of science education and research, Bhopal, during 1-13 July 2019.
- Participated in a four week **"Faculty Induction Programme"** conducted by the Teaching Learning Centre (Sponsored by MHRD), Ramanujan College, University of Delhi from November 14 to December 13, 2018.
- Participated in a one -week faculty development programme on "**ICT Integrated Research in Mathematical Sciences**" conducted by the Ramanujan Centre for Applied Mathematics and Research and the Teaching Learning Centre (Sponsored by MHRD), Ramanujan College, University of Delhi from September 24-30, 2018.
- Attended an NCM Workshop on "**Operator Algebra**" held at Institute of Mathematical Sciences, Chennai, during 11-16 September 2017.
- Participated in the International Workshop on the "**Recent Advances in Operator Semigroups**" held at the Department of Mathematics, University of Delhi, Delhi, during 18-21 December 2017.

- Attended Advanced instructional school on "**Operator Theory/Algebra"** held at Institute of Mathematical Sciences, Chennai during 01-20 February 2016.

- Participated in the international Workshop on "**Operator Spaces**" held at Department of Mathematics, University of Delhi during 7-9 December, 2015.

- Participated in the international Workshop on "**Wavelets, Frames and Applications II**" held at Kirori Mal College, University of Delhi during 24-30 December 2014.

- Participated in the international Workshop on "**Geometric and Analytic Aspects of Hyperbolic Spaces**" held at Department of Mathematics, University of Delhi during 10-15 December 2014.

- Participated in three days training program for "**MATLAB Fundamentals and MATLAB for Financial applications**" conducted by Mathswork at Delhi University Computer Centre during 17-19 November, 2014.

- Participated in the "**UGC-ASC Workshop on Teaching Methodology for Maths for Visual Impairment"** held at CPDHE, University of Delhi, New Delhi, during 12-13 March, 2014.

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

- Presented a paper entitled "**Eventual Positivity, Perturbations and the Delay Semigroups**" in the **International Conference on Mathematics and Applications, ICMA-**2024, organized by Department of Mathematics, Mata Sundri College for Women (University of Delhi), during January 10-12, 2024.

- Presented a paper entitled "**Eventual Positivity of Delay Semigroups**" in the **International Conference on Spectral and Approximation Theory, ICSAT**-2023, organized by Department of Mathematics, Cochin University of Science and Technology, Kochi, Kerala, during November 27-30, 2023.

- Delivered a talk entitled "**Gowers-Host-Kra semi-norms and multiple Ergodic Theorems"** in the 22nd Internet Seminar on "Ergodic Theorems" held at CVJM Bildungsstätte Bundeshöhe, Wuppertal, Germany, during 10-16 June 2019.

- Delivered a talk entitled "**Square Function Estimates for Elliptic Operators"** in the 21st Internet Seminar 2017/2018 on "**Functional Calculus**" held at CVJM Bildungsstätte Bundeshöhe, Wuppertal, Germany, during 30 June-6 July 2018.

- Delivered a talk entitled "**On the Exact and Asymptotic Product of Localization Operators**" in the International Workshop on "Wavelets, Frames and Applications" held at Kirori Mal College, University of Delhi, during 15-21 December 2011.

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

- Received travel grant and local support from the organizers of the **"International Conference on Spectral and Approximation Theory (ICSAT-2023)"** held at Department of Mathematics, Cochin University of Science and Technology, Kochi, Kerala, during November 27-30, 2023**.**

- Received travel grant and local support from the organizers of the 22nd Internet Seminar on **"Ergodic Theorems"** held at Wuppertal, Germany during 10-16 June 2019**.**

- Received travel grant and local support from the organizers of the 21st Internet Seminar 2017/2018 on **"Functional Calculus"** held at Wuppertal, Germany during 30 June-6 July 2018**.**

- Received travel grant from the Ramanujan College, University of Delhi, to attend an NCM Workshop on "**Operator Algebra**" held at the Institute of Mathematical Sciences, Chennai, during 11-16 September 2017.

- Collaborated in a group project entitled "**Gowers-Host-Kra semi-norms and multiple Ergodic Theorems**" in an international team.

- Collaborated in a group project entitled "**Square Function Estimates for Elliptic Operators"** in an international team.

AWARDS AND DISTINCTIONS:

NA

ASSOCIATION WITH PROFESSIONAL BODIES:

 NA

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

NA

Pappu