


Ramanujan College

FACULTY PROFILE

FIRST NAME	Dr. Komal	MIDDLE NAME (if any)		PHOTOGRAPH (ATTACH BELOW) 
LAST NAME				
DEPARTMENT	Statistics			
DESIGNATION	Assistant Professor			
GENDER	Female			
DATE OF BIRTH (DD/MM/YYYY)	05/08/1995			
LANGUAGE PROFICIENCY	English, Hindi			
ADDRESS	Department of Statistics, Ramanujan College, University of Delhi			
MOBILE				
EMAIL	komal@ramanujan.du.ac.in			
EDUCATIONAL QUALIFICATIONS:				
DEGREE	INSTITUTION		YEAR	
Ph.D.	Department of Statistics, University of Delhi		2023	
M.Sc.	Department of Statistics, University of Delhi		2018	

B.Sc.	Gargi College, University of Delhi	2016

CAREER PROFILE: TEACHING EXPERIENCE

Dr. Komal did her M.Sc. and Ph.D. at Department of Statistics, University of Delhi. Her area of interest are Reliability and Life Testing and Record Values. She has previously taught at P.G.D.A.V(M) College. Currently, she is an Assistant Professor in the Department of Statistics, Ramanujan College.

CAREER PROFILE: INDUSTRY EXPERIENCE

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

1. Member, Women Development Cell (2024-26)
2. Member, Film Society (2024-26)
3. Convenor, Departmental Society (Encephal) (2023-24).
4. Member, Fashion Society (Panache), Ramanujan College (2023-24).
5. Member, Dance Society (DNA), Ramanujan College (2023-24).
6. Member, Time Table Committee, P.G.D.A.V College (2020-21).
7. Member of NAAC Committee, Criteria 5 and Criteria 7, P.G.D.A.V College (2021- 23).
8. Mentor (Jalsa), Cultural Society, P.G.D.A.V College (2022-23).
9. Member, Research Cell, Department of Statistics, DU (2019-20).
10. Member, Admission Committee, Department of Statistics, DU (2020-21).

Cell

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

1. Reliability and Life Testing
2. Statistical Inference
3. Record Values
4. Bayesian Inference

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

1. Calculus
2. Operational Research
3. Statistical Techniques for Research Methods
4. Mathematical Analysis
5. Algebra
6. Bio-Statistics
7. Statistical Inference
8. Reliability and Life Testing

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

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

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

1. Ajit Chaturvedi, Himadri Ghosh, Komal (2020). Preliminary test estimators and confidence intervals for the reliability characteristics of Family of lifetime distribution. *International Journal of Agricultural and Statistical Sciences*.
2. Komal and Ashish Kumar Shukla (2021). Development of Preliminary Test Estimators and Confidence Interval for the Reliability Characteristics of Generalized Inverted Scale Family of Distribution based on Records. *Journal of Statistics Applications & Probability*.
3. Komal, Ashish Kumar Shukla and Anurag Sharma (2021). On Estimation of Parameters and Reliability Characteristics for the Topp-Leone Distribution using record value. *Journal of Applied Probability and Statistics*.
4. Chaturvedi A, Komal, Sharma A. Shrinkage Estimators of the Reliability Characteristics of Moore and Bilikam Family of Lifetime Distribution. *International Journal of Agricultural and statistics*, Vol. 16, Supp 1.
5. Chaturvedi A, Rathee K. Exact distributions of tests of outliers for Moore and Bilikam Family of distributions. *Journal of Xidian University*, 2020, 14[3]: 274-306.
6. Komal and Shukla A.K. Contribution to Bayesian Estimation based on records value. *International Journal of Statistics and Reliability Engineering*, Vol.9(1), 2022.
7. A. Sharma and Komal. An analysis of the Survival of Gallbladder Patients in a Tertiary Cancer Centre in India using Accelerated Failure Time Models. *International Journal of Statistics in Medical Research*, Vol. 11, 2022.
8. A. Sharma and Komal. Survival Rate Estimation of Cervix Cancer Patients Using K-M and W-K-M. *Biomedical and Pharmacology Journal*, Vol. 15(4), 2022.

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

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

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

- 1. 29 August- 4 September 2022: Completed Online One-week Faculty Development Programme on "NEP-2020, New Trends in Higher Education", organized by TLC, Ramanujan College.**
- 2. 21 August- 19 September 2023: Completed Online Four Week Faculty Development Programme/ Orientation Programme, Organized By TLC, Ramanujan College.**
- 3. 30 Nov 23- 14 Dec 23; Completed online two-week Refresher Course in Statistics; organized By TLC, Ramanujan College.**
- 4. 22 December 23- 10 Jan 2024: Completed Online 20 Day Refresher Course on "SHRIMAD BHAGVAD-GITA Prabodha Evam Prasamgikata", Organized By TLC, Ramanujan College.**

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

1. **27-30 December 2019:** Presented the paper entitled, “Exact distributions of tests of outliers for Moore and Bilikam Family of distributions” in IISA 2019, Bombay.
2. **27-30 December 2019:** Presented the paper entitled, “Exact distributions of tests of outliers for Moore and Bilikam Family of distributions” in IISA 2019, Bombay.
3. **21-22 and 28-29 November 2020:** Presented the paper entitled, “ Development of Preliminary Test Estimators and Confidence Interval for the Reliability Characteristics of Generalized Inverted Scale Family of Distribution based on Records” in ICON-CRRAO-ST0SS 2020.
4. **23-27 November 2020:** Presented the paper entitled, “ Preliminary Test Estimators and Confidence Intervals for the Reliability Characteristics of a family of Lifetime Distributions” in 28th International Conference of Forum for Interdisciplinary Mathematics (FIM) - Synergies in Computational, Mathematical, Statistical and Physical Sciences (FIM 28: SCMSPS 2020)
5. **24-28 February 2021:** Presented the paper entitled, “On Estimation of Parameters and Reliability Characteristics for the Topp-Leone distribution using record value” in 23rd Annual Conference of SSCA on “Visionary Innovations in Statistical Theory and Applications (VISTA-2021)”
6. **1-3st March 2024:** Presented the paper entitled, ‘Estimation Procedure of $P(X>Y)$ for Progressive Type-II Censored Data” in UGC Sponsored Two-day National Conference on “Mathematics, Statistics and Data Analysis using R” (NCMSDR-2024).

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

AWARDS AND DISTINCTIONS:

1. NET (Mathematical Science)- 2017
2. NET-JRF (Mathematical Science)-2018
3. GATE-201s
4. SRF-2020

ASSOCIATION WITH PROFESSIONAL BODIES:

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

1. Lifetime Member of the Society of Statistics, Computer and Application (SSCA).