


Ramanujan College

FACULTY PROFILE

FIRST NAME	Dr. Ashish	MIDDLE NAME (if any)	Kumar	PHOTOGRAPH (ATTACH BELOW) 
LAST NAME	Shukla			
DEPARTMENT	Statistics			
DESIGNATION	Assistant Professor			
GENDER	Male			
LANGUAGE PROFICIENCY	English, Hindi			
ADDRESS	C-34, UGF, Flat No-2 School Road Khanpur, New Delhi-110062			
EMAIL	ashish.iasqm@gmail.com , dr.aks@ramanujan.du.ac.in			
EDUCATIONAL QUALIFICATIONS:				
DEGREE	INSTITUTION	YEAR		
Ph.D.	University of Lucknow, Lucknow U.P.	2013		
B.SC.	University of Lucknow	2004		
M.SC.	University of Lucknow	2006		
NET	UGC	2012		
Post Graduate Diploma in Quality Management	Institute of Applied Statistics and Quality Management, Lucknow U. P.	2008		
CAREER PROFILE: TEACHING EXPERIENCE				
12 Yrs				

CAREER PROFILE: INDUSTRY EXPERIENCE

2 Yrs

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

- (i) Member of **Proctorial Committee** of Ramanujan College since September 2024.
- (ii) Member of **Feedback Committee** of Ramanujan College since September 2024.
- (iii) Member of **Examination Committee** of Ramanujan College, University of Delhi for 2022-2024.
- (iv) Convener of **Feedback Committee** of Ramanujan College, University of Delhi for 2022-2024.
- (v) Member of **Feedback Committee** of Ramanujan College, University of Delhi for 2018-2020.
- (vi) Convener of **Examination Committee** of Ramanujan College, University of Delhi for 2017-2019.
- (vii) Convener of **Infrastructure Development Committee** of Ramanujan College, University of Delhi for 2017- 2019.

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

- (i) Survey Sampling
- (ii) Bayesian Inference
- (iii) Survival Analysis

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

- (i) Survey Sampling & Indian Official Statistics
- (ii) Theory of Estimation
- (iii) Basics of Statistical Inferences
- (iv) Statistical Data Analysis using SPSS
- (v) Statistical methods
- (vi) Descriptive Statistics
- (vii) Total Quality Management
- (viii) IT Skills & Data Analysis-1
- (ix) IT Skills & Data Analysis-2

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

None

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

- (i) **Two Students have completed the Ph.D.**
- (ii) **Two Student are perusing the Ph.D.**

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

- (i) Komal and **Ashish Kumar Shukla**, “Contribution to Bayesian Estimation based on records value” in International Journal of Statistics and Reliability Engineering, Vol.9(1), 2022 2.
- (ii) Neeraj Joshi, Sudeep R. Bapat, and **Ashish Kumar Shukla**, A class of accelerated sequential procedures with applications to estimation problems for some distributions useful in reliability theory in Communications for Statistical Applications and Methods Vol 28 No 5 pp. 562- 583 (2021) 2287- 7843 (P) 2383- 4757 (O).
- (iii) Neeraj Joshi, Sudeep R. Bapat, and **Ashish Kumar Shukla**, Multi-Stage Estimation Methodologies for an Inverse Gaussian Mean with Known Coefficient of Variation” in American Journal of Mathematical and Management Sciences ISSN: (Print) (Online) Journal homepage: <https://www.tandfonline.com/loi/umms20>.
- (iv) Komal Rathee, and Ashish Kumar Shukla, “Development of Preliminary Test Estimators and Confidence Interval for the Reliability Characteristics of Generalized Inverted Scale Family of Distribution based on Records”in Journal of Statistics Applications & Probability An International Journal Vol 10, No. 2, 499-513 (2021)
- (v) Komal Rathee, and Ashish Kumar Shukla, On Estimation of Parameters and Reliability Characteristics for the Topp-Leone Distribution using Record Value in Journal of Applied Probability and Statistics Vol. 16, No. 3, pp. 43-62 (2021) Copyright ISOSS Publications
- (vi) Birjesh Kumar, Sachin Tomer and Ashish Kumar Shukla, “Sensitivity Analysis Of NonConformities When Quality Standard Is Assumed As Random Variable” International Journal Of Agricultural And Statistical Sciences, Vol. 17, No. 2, pp. 783-789, (2021), ISSN : 0973-1903, e-ISSN : 0976-3392, <https://connectjournals.com/03899.2021.17.783>
- (vii) Survival Analysis and Predictive Modelling Approach for COVID-19” authored by Shukla A.K. , Tomer S. and Shukla A. in International Journal of Grid and Distributed Computing Web of Science Vol 13 No 1 pp. 1176- 1190 (2020) 2005-4262 (Online).
- (viii) Predictive Estimation Of Finite Population Mean Using Coefficient Of Kurtosis And Median Of An Auxiliary Variable Under Simple Random Sampling Scheme authored by Yadav, D.K., Shukla, A.K, Tomer S., Kumar B. (2018) in International Journal of Mathematical Archive-9(5), 2018, 137-143 ISSN 2229 – 5046
- (ix) Estimation of the finite population mean utilizing Predictive Type Approach” authored by Ashish Kumar Shukla is accepted for further publication in International Journal of Mathematics and Statistics Invention (IJMSI) e-ISSN No. : 2321 – 4767 p-ISSN No. : 2321 – 4759
- (x) Modified Regression Approach in Predictive Estimation of Finite Population Mean utilizing Known Coefficient of Variation and Auxiliary Information” jointly authored by Sheela Misra, R K Singh and Ashish Kumar Shukla to Journal of Reliability and Statistical Studies; ISSN (Print): 0974-8024, (Online):2229-5666 Vol. 6, Issue 1 (2013): pp. 59-67.
- (xi) Partial Predictive Estimation of Finite Population Variance Using Product Type Estimator” jointly authored by Sheela Misra, R K Singh and Ashish Kumar Shukla to International Journal of Statistics and Analysis (IJSA) , ISSN 2248-9959 Number 2 (2013) pp. 211-219.
- (xii) An Improved Estimator for the Estimation of The Finite Population Mean with Known Coefficient of Variation under Predictive Type Approach” jointly authored by Sheela Misra, R K Singh and Ashish Kumar Shukla to International Journal of Statistics and Analysis (IJSA) ,ISSN 2248-9959 Number 2 (2013) pp. 201- 205.

- (xiii) Generalized Class Of Estimators For Estimation Of Finite Population Variance” jointly authored by Sheela Misra, Rajesh K Gupta and Ashish Kumar Shukla to International Journal of Agricultural and Social Sciences,(IJASS) ISSN 0973-1903, Vol.8, No. 2 (December 2012), pp. 447-457.
- (xiv) Predictive Regression Type Estimator of Finite Population Mean Using Coefficient of Variation” jointly authored by Sheela Misra, R K Singh and Ashish Kumar Shukla to International Journal of Manage Studies, Statistics & Applied Economics (IJMSAE), ISSN 2250-0367, Vol.2, No. I (June 2012), pp. 227-234.
- (xv) Predictive Estimation of Finite Population Mean using Product type Estimator” jointly authored by Sheela Misra, R K Singh and Ashish Kumar Shukla in Proceedings of the II National Conference on Statistical Inference, Sampling Techniques and Related Areas, Department of Statistics and Operations Research, Aligarh Muslim University, Aligarh – 202002, February 11 – 12, 2012.

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

- (i) **Shukla Ashish Kumar** and Kumai Puspa (2018) "Methodology of Educational Research" by Wisdom Publication C-14 D.S.I.D.C.. Work Centre Shadara Delhi-110095 ISBN: 978-93-85504-74 2.
- (ii) Dr. Dharmendra Kumar Yadav, Dr. Rohini Yadav, Dr. Susheel Kumar Singh and **Dr. Ashish kumar Shukla**, “Recent Advancements in Sampling Theory &its Applications” MKSES Publications Lucknow, India (2021)
- (iii) Edited a book entitled- “Emerging Trends in Statistics and Data Sciences” published by Book Age Publications in 2020 with ISBN No-978-93-88181-24-2.

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

None

CONFERENCE / WORKSHOPS/ REFRESHER/ FDP/ TRAINING ORGANIZED

- (i) Organised More than **One Hundred Twenty Five** One week Faculty Development Programmes under Teaching Learning Centre Ramanujan College, PMMMNMTT scheme in capacity of Convenor, Co-convenor, Programme Coordinator, Organising Secretary and Member duration (2020-2024).
- (ii) Organised More than **Eighty** Two-week Faculty Development Programmes/Interdisciplinary Refresher Course under Teaching Learning Centre Ramanujan College, PMMMNMTT scheme in capacity of Convenor, Coconvenor, Programme coordinator, Organising Secretary and Member duration (2020-2024).

- (iii) Organised **Fourty** Online Faculty Induction/Training Orientation Programme for Faculty in Higher Education Institutions under Teaching Learning Centre Ramanujan College, PMMMNMTT scheme in the capacity of Convenor, Co-convenor, Programme Coordinator, Organising Secretary and Member duration (2020-2024).
- (iv)
- (v) **Convenor** in UGC sponsored National Conference on Advance Statistics and Applied Sciences conducted by Department of Statistics Ramanujan College, University of Delhi during 30-31 March 2022.
- (vi) **Programme Director** in an Online Two - Week Refresher Course in Statistics “Application Of Statistical Techniques In Real World” organised under Teaching Learning Centre Ramanujan College, PMMMNMTT scheme from 01 - 15 MAY, 2021.
- (vii) **Convenor** in UGC sponsored National Conference on Emerging trends in Statistics and Data sciences conducted by Department of Statistics Ramanujan College, University of Delhi during 6th-7th September 2019.
- (viii) **Co-Convenor** in a One Month Induction Program which will be organised by Teaching Learnin Centre (TLC) of Ramanujan College, University of Delhi from 21st May-20th June 2019.
- (ix) **Program Director** in a two week Interdisciplinary Faculty Development Program in Department of Statistics, Hindu College, University of Delhi in collaboration with Teaching Learnin Centre (TLC) of Ramanujan College, University of Delhi from December, 12-24, 2018.
- (x) **Organising Secretary** in UGC sponsored National Conference on Recent Statistical Computing Techniques And Their Applications (RSCTA-2016).

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

NIL

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

- (i) Attended two days International Conference INCOMECT-2014 on Management Education & Corporate Transformation: The Ethical Underpinning organized by Centre of Ethics & Values, Ramanujan College, University of Delhi held during March 27-28, 2014.
- (ii) Attended two days’ workshop on “Foundation Courses In Building Mathematical Ability held during 1-2 February 2014 at cluster innovation centre organized by Centre for Professional Development in Higher Education University of Delhi.
- (iii) Attended ‘International Seminar on History of Mathematics’ in the international statistics year 2013 held during November 27-28, 2013 in the Ramjas College, University of Delhi.
- (iv) Attended one day seminar on Awareness of Official Statistical System in India and Career Prospects held on 23rd November 2013 in the Department of Statistics, University of Lucknow.
- (v) Attended one day workshop on Population Data Census 2011 held on 9th October 2013 in the Department of Statistics, University of Lucknow, Lucknow.

- (vi) Participated in the MATLAB and Simulink Academic Tour 2013 of Math works at Cluster Inonovation Centre, University of Delhi on 23rd September 2013.
- (vii) Attended a workshop on Statistical Computing using R organized by Department of Statistics, University of Delhi on September 14-15, 2013.
- (viii) Attended a “Special Orientation Program for the foundation course” in Building Mathematical Ability of FYUP held on 19th August 2013 at the University of Delhi South Campus.

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

- (i) Resource Person in one week workshop on “Develop technical skills with a deeper understanding of data analysis through SPSS software” from 17-21 OCT, 2022 organized by SCERT, Delhi
- (ii) Resource Person in one week workshop on “Develop technical skills with a deeper understanding of data analysis through SPSS software” from 17-21 29th July – 03rd August, 2022 organized by SCERT, Delhi.
- (iii) Resource Person in Faculty Development Program "ICT used in Education and Research Methodology" in the collaboration with Dolphin (PG) Institute of Natural and Biomedical Sciences Dehradun under Pandit Madan Mohan Malviya Teaching Learning Centre (TLC) of Ramanujan College from June 11-17, 2018.
- (iv) Delivered an Invited talk on “Estimation of Mean per Unit Estimator with Known Coefficient of Variation” at National Conference on "Recent Advances in Statistical and Mathematical Sciences and their Applications" during October 4-6, 2014 organized by Kumaun University S.S.J. Campus ALMORA-263601 (Uttarakhand), INDIA.
- (v) Delivered an Invited talk on “Wider Class of Regression Estimators of Finite Population Mean under Predictive Estimation Approach Known Coefficients of Variation” at the 101st INDIAN SCIENCE CONGRESS” during February 3-7, 2013 organized by University of Jammu, Jammu.
- (vi) Presented a Paper “A Generalized Class of Separate Regression-Type Estimators for the Estimation of Finite Population Mean” at 2018 MTMI International Conference on Emerging Issues in Business, Technology and Applied Sciences, sponsored by DBMA, University of Maryland Eastern Shore, USA, Department of Management, Frostburg State University, USA and College of Business, Bowie State University, USA at Hotel IBIS, Bangkok, Thailand during December 22-23, 2018.
- (vii) Presented a Paper entitled “Estimation of finite population mean under predictive approach with known coefficient of variation” at the International Conference on Statistics and related Areas for Equity , Sustainability and development (SRAESD-2015)” in Conjunction with XXXV Annual Convention of Indian Society for probability and Statistics (ISPS) during November 28th – 30th, 2015 organized by Department of Statistics, University of Lucknow, Lucknow.
- (viii) Presented a Paper entitled “An Improved Regression Type Estimator of Population Mean under Predictive Modeling Approach” at the 68th Annual Conference on Statistics and Informatics in Agricultural Research “Statistics and Informatics in Agricultural Research” during January 29th -31st, 2015 organized by Indian Society of Agricultural Statistics at ICAR-Indian Agricultural Statistics Research Institute New Delhi.
- (ix) Delivered a lecture in the workshop “Student Development Program” for foundation course (Building Mathematical Ability) Organized by Department of Statistics and Department of Mathematics, Ramanujan College University of Delhi on 7th September 2013.
- (x) Presented a Paper entitled “Modified Regression Approach in Predictive Estimation of Finite Population Mean using Known Coefficients of Variation” at the International Conference on “Statistics and Informatics in Agricultural Research” during December 18-20, 2012 organized by Indian Society of Agricultural Statistics at Indian Agricultural Statistics Research Institute New Delhi
- (xi) Presented a Paper entitled “Regression Approach in Predictive Estimation of Finite Population Mean using Known Coefficients of Variation” at the XXI International Conference of “Forum for Interdisciplinary Mathematics (FIM) on “Interdisciplinary Mathematics, Statistics and Computational Techniques” during December 15-17, 2012 organized by Department of Statistics Panjab University Chandigarh.

- (xii) Presented a Paper entitled “Predictive Estimation of Finite Population Mean using Product Estimator with Known Coefficients of Variation” at the II national Conference on “Statistical Inference sampling techniques and related Areas” organized by Department of Statistics and Operations Research Aligarh Muslim University on 11 Feb 2012 to 12 Feb 2012.

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

- (i) Worked as Principal Investigator in a Minor Research Project entitled “Learning Analytics in Higher Education: With special reference to National Programme on Technology Enhanced Learning (NPTEL)”, under Teaching Learning Centre (TLC), Ramanujan College, University of Delhi, New Delhi and funded by Ministry of Human Resource Development (MHRD), Government of India.
- (i) Worked as an Principal Investigator in a (Three Year) Major Research project under Star Innovation Project scheme of University of Delhi entitled- “Reliable Data On The Real World of Innovations” sponsored by University of Delhi from March 2016 to November 2020.

AWARDS AND DISTINCTIONS:

- (I) Selected as the **UGC-Dr. D.S. Kothari Post Doctoral Fellow** to Department of Statistics, University of Delhi, Delhi-110007 in August 2013.

ASSOCIATION WITH PROFESSIONAL BODIES:

NIL

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

- (i) Completed “State Level Training on Policy Models for Evidence-Based Decision Making and Advocacy” under the Health Policy Project organized by National Rural Health Mission (NRHM) on may 28-30,2012. 2.
- (ii) PROJECT: “Check the INDEPENDENCE of ATTRIBUTES based on tuberculosis patient.” Attribute studied by using Chi-Square Statistic: • Age Group, • Gender 3.
- (iii) Worked as a ‘Field Investigator’ since 25th August 2006 to 3rd Oct. 2006 in a ‘NGO’ for ‘WFP’S ‘Food for Education Program’ in Madhya Pradesh. Project Title: “Impact Assessment of Nutrition Interventions through Food for Education.”