Ramanujan College

FACULTY PROFILE

FIRST NAME	**Dr. Sachin**	**MIDDLE NAME (if any)**		**PHOTOGRAPH (ATTACH BELOW)**
LAST NAME	Tomer			
DEPARTMENT	Statistics			
DESIGNATION	Assistant Professor			
GENDER	Male			
DATE OF BIRTH (DD/MM/YYYY)	05/05/1983			
LANGUAGE PROFICIENCY	English, Hindi			
ADDRESS	A 34, Meet Nagar, Delhi 110094			
MOBILE	**8285660992**			
EMAIL	**tomersta@gmail.com**			

EDUCATIONAL QUALIFICATIONS:

DEGREE	INSTITUTION	YEAR
B.Sc.	CCS University, Meerut	2002
M.Sc.	CCS University, Meerut	2004
M.Phil.	CCS University, Meerut	2006
Ph.D.	CCS University, Meerut	2012

CAREER PROFILE: TEACHING EXPERIENCE

Computer Awareness:
Working knowledge of computer fundamentals, MS-Office, C- & C++- language, MS-Excel, SPSS, SAS, R- language.

Teaching Experience: 17 Years

CAREER PROFILE: INDUSTRY EXPERIENCE

None

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

❖ Convener of Examination Committee, Ramanujan College, University of Delhi

❖ Co-convener of examination committee 2017- 2021, Ramanujan College, University of Delhi

❖ Member of Feedback committee Ramanujan College, University of Delhi

❖ Member of Infrastructure Development Committee of Ramanujan College, University of Delhi.

❖ Convener of Sports Committee, Ramanujan College, University of Delhi

❖ Member of syllabus revised committee for FYUP, Department of Statistics (DU).

❖ Worked as Member of Department Council Committee, Department of Statistics (DU).

❖ Worked as Member of Anti-Ragging Committee, Department of Statistics (DU).

❖ Member of Culture Committee, Ramanujan College, Delhi.

❖ Member of Placement Cell, Ramanujan College, Delhi.

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

❖ Reliability & Life Testing
❖ Bayesian Inferences

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

- ❖ Basic Statistics
- ❖ Introductory Statistics
- ❖ Statistical Data Analysis using SPSS
- ❖ Statistical methods
- ❖ Descriptive Statistics
- ❖ Design of Experiments
- ❖ IT Skills & Data Analysis-1
- ❖ 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)

- ❖ One Student has completed his PhD on Some Contributions to Estimation Procedures for Lifetime Models using Censored data.

- ❖ One is pursuing in the field of Bayesian Inferences.

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

- ❖ Tomer S., Kumar B., Shukla A. K., (2024) "Predictive modelling approach for cumulative fatality rate of COVID-19 in India", Frontiers in Health Informatics, 13 (3), 5924-5942

- ❖ Saini, S., Tomer, S., & Garg, R. (2022). "Inference of multicomponent stress-strength reliability following Topp-Leone distribution using progressively censored data", Journal of Applied Statistics, 50(7), 1538- 1567 , https://doi.org/10.1080/02664763.2022.2032621

- ❖ Kumar B., Tomer S., & Shukla A. K. (2021). "Sensitivity Analysis Of Non-Conformities When Quality Standard Is Assumed As Random Variable" International Journal Of Agricultural And Statistical Sciences, Vol. 17, No. 2, pp. 783-789, ISSN : 0973-1903, e-ISSN : 0976-3392, https://connectjournals.com/03899.2021.17.783

- Saini, S., Tomer, S., & Garg, R. (2021). On the reliability estimation of multicomponent stress–strength model for Burr XII distribution using progressively first-failure censored samples. *Journal of Statistical Computation and Simulation*, *92*(4), 667–704. https://doi.org/10.1080/00949655.2021.1970165

- Shah M. K., Tomer S. (2020). "How Brands in India connected with the audience amid Covid-19" International Journal of Scientific and Research Publications, Vol 10, Issue 8, pp 91- 95

- Shukla, A. K, **Tomer S.,** Shukla A. (2020). "Survival Analysis and Predictive Modelling Approach for COVID-19", International Journal of Grid and Distributed Computing, Vol. 13, pp. 1176 – 1190

- "Goodness of Fit to The Real Data Set Using Classical Inference" authored by **Tomer S**. Kumar A. Shukla, A.K**,** and Kumar B. (2019) in a edited book titled Emerging Trends in Statistics and Data Sciences ISBN 978-93-88181-24-2 published by Book Age Publications New Delhi-110092

- Sharma S., Tomer S., (2018). "Psychosocial antecedents of prosocial behavior and its relationship with subjective well-being in adolescents" Indian Journal of Positive Psychology, 9(1), 14-21. DOI: https://doi.org/10.15614/ijpp.v9i01.11736

- Yadav, D.K., Shukla, A.K, **Tomer S.**, Kumar B. (2018), "*Predictive Estimation Of Finite Population Mean Using Coefficient Of Kurtosis And Median Of An Auxiliary Variable Under Simple Random Sampling Scheme"*, International Journal of Mathematical Archive-9(5), 2018, 137-143 ISSN 2229 – 5046

- Singh, B., **Tomer, S.** , "Inferences on the mixture model with type-II hybrid censored data"   MATHEMATICS IN ENGINEERING, SCIENCE AND, Vol -6, pp 309- 317

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

- 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

- ❖ Organized NEP: Orientation & Sensitization Programme under MMTTP-UGC Scheme, Ramanujan College, in capacity of coordinator from 26th September to 08th October, 2024.

- ❖ Organized more than five NEP: Orientation & Sensitization Programme under MMTTP-UGC Scheme, Ramanujan College, in capacity of member in 2024.

- ❖ Participated as a Convener in two Day UGC-Sponsored National Conference on Advanced Statistics and Applied Sciences-2022 held at Ghalib Auditorium on 30-31st March -2022

- ❖ Participated as a Convenor of two days UGC-sponsored National Conference on Emerging Trends in Statistics and Data Sciences (ETSDS-2019) which will be held in month of August 2019 in Ramanujan College, University of Delhi.

- ❖ Participated as a Co-Convenor in a One Month Induction Program which was organised by Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi from 21st May-20th June 2019.

- ❖ 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).

- ❖ 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).

- ❖ Organised Forty 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).

CREATION OF ICT MEDIATED TEACHING LEARNING PEDAGOGY AND CONTENT

None

CONFERENCE/WORKSHOPS/TRAINING ATTENDED AS FACULTY MEMBER

- ❖ Participated in a Two Week Faculty Development Programme on " "Research Methodology and Data Analysis" under Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi from 28th July – 10th August, 2023
- ❖ Participated in a Two Week Faculty Development Programme on "Managing Online Classes and Co-Creating MOOCs " under Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi from 20th April to 6th May 2020.
- ❖ Attended a one month faculty induction/ orientation program under Teaching Learning Centre (TLC) of Ramanujan College, University of Delhi which will be organised through online platform MOOC from June, 04 to 01 July, 2020.
- ❖ Attended One Week E-Faculty Development Programme on Changing research landscape in Uncertainties, organized by Rukmini Devi Institute of Advanced Studies Delhi during May 25, 2020 – May 30, 2020.
- ❖ Attended a UGC and DST-SERB funded "International Conference on Applicable Mathematics" with the theme Network Science organised by Department of Mathematics, Ramanujan College, University of from 19th 21st December 2019 in the Ghalib Conference Room of the college.

INVITED LECTURES AS RESOURCE PERSON AND PAPER PRESENTATIONS:

- ❖ Participated as a Resource Person in one month workshop on "BASIC STATISTICS AND REGRESSION" from 22nd August to 28th September, 2023 organized by Sri Guru Gobind Singh College of Commerce, University of Delhi
- ❖ Participated as a 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
- ❖ Participated as a 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.
- ❖ Participated as a 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.

❖ Delivered a lecture in workshop, "Student Developed Program" hosted by Ramanujan College, University of Delhi, Delhi.

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

❖ Worked as an 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.

❖ Worked as a Principal Investigator in a (Three Year) Major Research project under Star Innovation Project scheme of University of Delhi entitled "Reliable Data of Real world for Innovation" sponsored by University of Delhi since March 2016.

❖ Worked as an Investigator Psychosocial on "Psychosocial antecedents of Prosocial behavior and their related impact on Subjective Well being in Adolescents" sponsored by Cluster Innovation Centre, University of Delhi.

AWARDS AND DISTINCTIONS:

None

ASSOCIATION WITH PROFESSIONAL BODIES:

None

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

None