

Dr. Dharmendra Kumar

(Assistant Professor)

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Educational Qualifications

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| 2009 | Ph.D. (Statistics) | Department of Statistics, Ch. Charan Singh University, Meerut, Uttar Pradesh 250001.
Thesis Titled: Stochastic Analysis of Some Redundant System Models. |
| 2005 | M.Phil. (Statistics) | Department of Statistics, Ch. Charan Singh University, Meerut, Uttar Pradesh 250001.
Dissertation Titled: Stochastic Analysis of Some Redundant System Models. |
| 2004 | M.Sc. (Statistics) | Department of Statistics, Ch. Charan Singh University, Meerut, Uttar Pradesh 250001. |
| 2002 | B.Sc. (Statistics) | Department of Statistics, Ch. Charan Singh University, Meerut, Uttar Pradesh 250001. |

Work Experience

1. Working as an Assistant Professor in the Department of Statistics, PGDAV College, University of Delhi, New Delhi, Since August 11, 2011.
2. Two years teaching experience as an Assistant Professor in the Institute of Professional, Excellence & Management, Ghaziabad, Uttar Pradesh.
3. One year teaching experience as an Assistant Professor in the Department of Statistics, Ch. Charan Singh University, Meerut, Uttar Pradesh.

Research Papers Published

1. Rakesh Gupta, Pradeep Chaudhary and **Dharmendra Kumar**, "Stochastic Analysis of a Two Unit Cold Standby System with Different Operative Modes and Different Repair Policies" Int. J. of Agricultural and Statistical Sciences (ISSN: 0973-1903). Vol. 3, No. 2, PP. 387- 394, 2007.
2. Rakesh Gupta, Ram Kishan and **Dharmendra Kumar**, "Profit Analysis of a Three Unit Redundant System with Correlated Failure and Repair Times", J. of Rajasthan Academy of Physical Sciences (ISSN: 0972-6306). Vol. 7, No. 2, PP. 169-178, 2008.
3. Rakesh Gupta, Ram Kishan and **Dharmendra Kumar**, "Stochastic Analysis of a Blood Bank System Model", Gujarat Statistical Review (ISSN: 0379-3419). Vol. 34, 35, PP.56-67, 2007-08.

4. Rakesh Gupta, Ram Kishan and **Dharmendra Kumar**, "Complex system with two physical conditions of repairman and inverse Gaussian repair time distribution", *J. of Rajasthan Academy of Physical Sciences* (ISSN: 0972-6306). Vol. 8, No. 3, PP. 311-318, 2009.
5. Rakesh Gupta, Gaurav Varshney and **Dharmendra Kumar**, "Profust Reliability Analysis of A Degradable System Having A Number of Non-Identical Redundant Units", *International Journal of Statistics and Systems* (ISSN: 0973-2675). Vol. 5, No. 2, PP. 93-98, 2010.
6. Rakesh Gupta, Ram Kishan and **Dharmendra Kumar**, "Cost Benefit Analysis of a Two Non-Identical Unit Standby System with Preventive Maintenance", *Journal of Combinatorics, Information & System Sciences* (ISSN: 0250-9628). Vol.37, No.1, PP. 21-31, 2012.
7. Ram Kishan and **Dharmendra Kumar**, "On Estimation Of The Scale Parameter of Inverse Rayleigh Distribution With Progressive Type – II Censoring Under Different Loss Functions", *Int. J. of Agricultural and Statistical Sciences* (ISSN: 0973-1903). Vol. 12, No. 2, PP. 477- 482, 2016.
8. **Dharmendra Kumar**, "On Estimation of Inverse Rayleigh Progressive Type- II Censored Data with Binomial Removals", *Int. J. of Agricultural and Statistical Sciences* (ISSN: 0973-1903). Vol. 13, No. 1, PP. 197-203, 2017.
9. Prabhat Kumar Sangal, Somnath Dutta, Rajesh and **Dharmendra Kumar**, "Bayesian Estimation Using Lindley's Approximation For Exponentiated Truncated Exponential Distribution", *Int. J. of Agricultural and Statistical Sciences* (ISSN: 0973-1903). Vol. 21, No. 2, PP. 493-500, 2025.

Published Books

1. Master of Science (Zoology), MZO-006 Biostatistics and Bioinformatics, Block-1: Descriptive of Statistics, Indira Gandhi National Open University, New Delhi. 2025.
<http://egyankosh.ac.in/handle/123456789/116163>

Published Chapters in Book

1. Master of Science (Zoology), MZO-006 Biostatistics and Bioinformatics, Block-2: Probability and Testing of Hypothesis, Chapter-6: Probability Prerequisites, Indira Gandhi National Open University, New Delhi. 2025. <http://egyankosh.ac.in/handle/123456789/116170>

Papers Presented in Conferences

1. Presented a paper in the "National Conference on Emerging Trends in Statistical Methods and Optimization Techniques", organized by the Department of Statistics, University of Jammu, Jammu during February 22-23, 2008.
2. Presented a paper in the "National Conference on Statistics for Research and Development", organized by Gujarat Statistical Association & GLS(M.R.Parikh) Institute of Commerce, Ahmedabad on October 12, 2013.

3. Presented a paper in the "UGC Sponsored National Conference on Recent Statistical Computing Techniques and their Applications (RSCTA-2016)", organized by the Ramanujan College, University of Delhi, Delhi during March 11-12, 2016.
4. Presented a paper in the "National Seminar on Role of Recent Mathematical, Statistical and Computer Science Techniques in Context of Human Behavior", organized by D.A.V.(P.G.) College, Muzaffarnagar on March 29, 2016.
5. Presented a paper in the "National Conference on Advances in Applied Mathematics and Statistics (NCAAMS-2017)", organized by the Mata Sundri College for Women, University of Delhi, Delhi during September 07-08, 2017.

Workshops, Webinars and Conferences Attended

1. Participated in a Five Days National Workshop on "Modeling, Optimization and Their Applications", organized by M.D. University, Rohtak (Haryana) & sponsored by DST Government of India during August 17-21, 2010.
2. Participated in a Two Days Workshop on "Statistical Computation using R", organized by the Department of Statistics, University of Delhi, Delhi during September 14-15, 2013.
3. Participated in a Two Days "International Seminar on History of Mathematics", organized by the Ramjas College, University of Delhi, Delhi during November 27-28, 2013.
4. Participated in the "National Webinar on Data Analysis and Statistical Computing", organized by Department of Statistics, Institute of Social Sciences, Dr. Bhimrao Ambedkar University, Agra on May 27, 2020.
5. Participated in Webinar Series (Basic) on "Transforming Teaching Learning Process using ICT Tools", organized by IQAC, PGDAV College, University of Delhi, during July 23-25, 2020.
6. Participated in Webinar Series (Professional) on "Transforming Teaching Learning Process using ICT Tools" organized by IQAC, PGDAV College, University of Delhi, during August 28-30, 2020.

Orientation/Induction, Refresher and FDP Programme

1. Participated and successfully completed "One Week Faculty Development Programme on Research Methodology and Technology Led Paradigm Shift in Teaching and Learning Process", organized by P.G.D.A.V. College (Evening), New Delhi during August 04-12, 2020.
2. Participated and successfully completed a 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from February 11-March 13, 2021 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission of Teachers and Teaching (PMMMNTT).
3. Participated and successfully completed One-Week Online National Workshop on "Applications of Mathematical and Statistical Tools" jointly organized by Department of Mathematics, Department of Statistics and School of Education under the Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Central University of Haryana, Mahendergarh, India from March 20-24, 2021.

4. *Participated and successfully completed Online Two Week Refresher Course / Faculty Development Programme in Statistics on the theme "Applications of Statistical Techniques in Real World " from May 01-15, 2021 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission of Teachers and Teaching (PMMMNMTT).*
5. *Participated and successfully completed online one week Interdisciplinary Faculty Development Programme on "Creation and Development of MOOCs While Managing Online Classes" from August 24-31, 2021, organized by Keshav Mahavidyalaya, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre (PMMMNMTT), Hansraj College, University of Delhi.*
6. *One-Week Online National Faculty Development Program "Statistics with 'R', Financial Database and Analysis Software" from November 04–11, 2022, jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education.*
7. *Participated and successfully completed online One-Week Faculty Development Program on "NEP-2020, New Trends in Higher Education" from 29 August – 04 September, 2022 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission of Teachers and Teaching (PMMMNMTT).*
8. *Participated and successfully completed a 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from July 22-August 20, 2023 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission of Teachers and Teaching (PMMMNMTT).*
9. *Participated and successfully completed Online Inter-Disciplinary Two Week Refresher Course in "Managing Online Classes & Co-creating MOOCs" from September 06-20, 2023 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission of Teachers and Teaching (PMMMNMTT).*
10. *Participated and successfully completed the "NEP 2020 Orientation & Sensitization Programme" from November 19-28, 2024 under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission Organized by CPDHE (UGC-MMTTC), University of Delhi.*
11. *Participated and successfully completed the Two Weeks Online Refresher Course in Mathematical Sciences (Mathematics/ Statistics/ Operational Research/ Computer Sciences) from October 03-16, 2025 under UGC- Malaviya Mission Teacher Training Centre, CPDHE, University of Delhi and obtained grade A+.*

Member of Professional Bodies

- *Life membership of Gujarat Statistical Association.*
- *Life membership of The Indian Science Congress Association.*