

CURRICULAM VITAE



Name : Dr. Rakesh Gupta
Fathers' Name : Late Sh. R. K. Gupta
Date of Birth : Dec. 29, 1959
Present Position : Senior-most Professor of
Ch. Charan Singh University
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Ch. Charan Singh University, Meerut
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Academic Qualifications :

Degree	Subjects	Year	Division	University	Remark
B. Sc.	Chem., Maths & Statistics	1978	I st	Meerut Univ.	-
M. Sc.	Statistics	1980	I st	Meerut Univ.	I st Position in the University
M. Phil.	Statistics	1982	I st	Meerut Univ.	I st Position in the University
Ph. D.	Statistics	1984	-	Meerut Univ.	Awarded J.R.F. and S.R.F. of C.S.I.R.

Fellowships Awarded :

Designation	Duration	Name of the Institution
J.R.F. (C.S.I.R.)	31.01.81 – 31.01.83	Meerut University, Meerut
S.R.F. (C.S.I.R.)	01.02.83 – 28.02.85	Meerut University, Meerut
R.A. (C.S.I.R.)	01.03.85 – 24.09.85	Dept. of O.R., Univ. of Delhi

Teaching Experience : 34 Years

Designation	Duration	University	Course Taught
Lecturer	25.9.85-29.12.91	Ch. Charan Singh University, Meerut	M. Sc. - Matrix Theory, Probability Theory, Engineering Statistics, Multivariate Analysis, Laplace Transform, Operations Research, Statistical Distributions
Reader	30.12.91-29.12.99		
Professor	30.12.99-31.03.18		M. Phil.- Reliability Theory and Distribution Theory

Research Experience : 37 Years

RESEARCH GUIDANCE/PUBLICATION

- (i) Guided seventy three (73) M. Phil. dissertations in Statistics.
- (ii) Supervised twenty seven (27) students for completing their Ph. D. degrees. (See Annexure-A) and three (03) are in hand.
- (iii) One hundred sixty Six (166) Research papers have been published in various national and international journals, like – Microelectronics and Reliability (U.K.), Int. J. of Systems Science (U.K.), IEEE Trans. Reliability (USA), Reliability Engineering and System Safety (USA), J. of Quality in Maintenance Engineering (Saudi Arabia), Int. J. of Management and Systems (Delhi), J. of Ravishankar University (Raipur), Int. J. of Productivity Quality and Reliability (Kolkata), Aligarh J. of Statistics (A.M.U.), Gujarat Statistical Review (Ahmadabad), J. of Combinatorics Information & System Sciences (Delhi), Int. J. of Agricult. Stat. Sciences, Pure and Applied Matematika Sciences, J. of Rajasthan Academy of Physical Sciences, Int. J. of System Assurance Engineering and Management (Springer), Int. J. of Scientific and Engineering Research (France), Int. J. of Scientific and Research Publications, Int. J. of Research and Review in Applied Sciences (Pakistan), J. of Mathematical and Computational Science (London), J. of Informatics and Mathematical Sciences, J. of Reliability and Statistical Studies (Pant Nager), J. of Statistics & Management Systems, Int. J. of Statistics and Systems and Int. J. of Tran. In Mathematical Sciences and Computer. (See Annexure-B)
- (iv) Published Seven (07) Research Papers in the Proceedings of various National and International Conferences organized at different places. (See Annexure-C)

CHAPTERS IN THE BOOKS

- (i) Contributed a 50 pages chapter titled “Analysis of Stochastic Models in Manufacturing Systems Pertaining to Repair Machine Failure” to the book entitled “Optimization Methods for Manufacturing” edited by Prof. Cornelius T. Lenodes, University of California, Los Angeles and Published by CRC press, Washington in the year 2001.
- (ii) Contributed a chapter titled “A Two-Non-Identical Unit Standby System with Two Repairmen and Correlated Failure and Repair Times” Math. Modeling and Applications, Failure and Repair Times, Math Modeling and Applications, Lambert Academic Publisher, pp. 164-177(2014).
- (iii) Contributed a chapter titled “Performance Measures of a Two-Unit Warm Standby System Model with Repair, Inspection and Post-Repair”, Math. Modeling and Applications, Lambert Academic Publisher, pp.-178-191(2014).
- (iv) Contributed a chapter titled “Cost-Benefit Analysis of a 2-out-of-3 Unit Discrete Parametric Markov Chain System Model”, Math. Modeling and Applications, Lambert Academic Publisher, pp.-192-204(2014).
- (v) Contributed a chapter titled “A Two-Unit Cold Standby System with Assistant and Master Repairman having Geometric Distributions”, Math. Modeling, Optimization and Information Technology, Lambert Academic Publisher, pp.-511-524(2015).

SEMINARS / CONFERENCES ATTENDED

- (i) Attended II International Symposium on Optimization and Statistics held at A.M.U., Aligarh during Nov. 2-4, 1993.
- (ii) Attended a National Seminar on Operation Research and Management Decision Making held at Delhi University, Delhi during Nov. 19-20, 1993.
- (iii) Presented a paper in the First Annual Conference of Indian Society of Information Theory and Applications held at Rohtak in the Dept. of Statistics, M.D. University during Feb. 3-5, 1996.
- (iv) Presented a paper in the IV International Symposium on Optimization and Statistics and Annual Conference of Indian Society of Information Theory and Applications held at Aligarh in the Dept. of Statistics, A.M.U. during Dec. 8-10, 1998.
- (v) Presented a paper in the Silver Jubilee Symposium on Modeling, Optimization and Information Technology in Managerial Decision Making held at Bundelkhand University, Jhansi during Jan. 14-16, 2000.
- (vi) Delivered a talk on “Some Aids to Reliability Studies” in a workshop held in March 2000 in the Dept. of Statistics, C. C. S. University, Meerut.
- (vii) Presented a paper in the XX Annual Conference of Indian Society for Probability and Statistics held in the Dept. of Statistics, Pt. Ravishankar Shukla University, Raipur (M.P.) during Feb. 19-21, 2001.

- (viii) Presented a paper in the Vth International Symposium on Optimization and Statistics held in the Dept. of Statistics, A.M.U., Aligarh during Dec. 28-30, 2002.
- (ix) Presented a paper in International Conference on Life Testing, Reliability, Sampling Theory and Quality Control held in the Dept. of Statistics, B.H.U., Varanasi during Dec. 29-31, 2003.
- (x) Presented a paper and chaired a session in National Conference on Emerging Trends in Statistical Methods and Optimization Techniques held in Department of Statistics, University of Jammu, Jammu during Feb. 22-23, 2008.
- (xi) Presented a paper in International Conference on Development and Applications of Statistics in Emerging Areas of Science and Technology held in Department of Statistics, University of Jammu, Jammu during Dec. 8-10, 2010.
- (xii) Presented a paper in National Conference on Statistics for Twenty-first Century held in Department of Statistics, University of Kerala, Trivandrum during March 17-19, 2011.
- (xiii) Delivered a talk and chaired a session in VII International Symposium on Optimization and Statistics held in Department of Statistics and Operations Research, A.M.U., Aligarh during Dec. 21-23, 2012.
- (xiv) Delivered an invited talk in a national seminar on “Optimization Techniques” organized by Department of Statistics D.A.V. PG College, Muzaffarnagar during March 19-20, 2013.
- (xv) Presented a paper and chaired a session in IV National Conference on Statistical Inference, Sampling Techniques and related Areas held in Department of Statistics and Operations Research, A.M.U., Aligarh during Feb. 18-19, 2014.
- (xvi) Delivered an invited talk and Chaired a session in a national conference on “Recent Advances in Statistical and Mathematical Sciences and their Applications” organized by Department of Statistics Kumaun University, S.S.J. Campus, Almora during Oct,04-06,2014.
- (xvii) Delivered an invited talk in a national conference on “Recent Trends and Developments in Statistics (NCRTDS)” organized by Department of Statistics M.D. University, Rohtak during Feb,21-23,2015.
- (xviii) Delivered an invited talk and chaired a session in a national conference on “Statistics and Optimization Techniques” organized by Department of Statistics, M.D. University, Rohtak during Feb. 11-13, 2017.
- (xix) Delivered an invited talk and chaired a session in a International conference on Recent Trends of Computing in Mathematics, Statistics and Information Technologies” organized by Department of Mathematical Science and Computer Applications, Bundelkhand University, Jhansi during March 9-11, 2018.

RESEARCH PROJECTS COMPLETED

S. No.	Topic	Agency	Period	Amount (in Rs.)
(i)	Estimation of parameters in Stochastic Models	U.G.C.	11.10.90-10.10.91 (Two years)	17,000.00
(ii)	Cost Benefit Analysis of Estimation of Parameters	U.G.C.	28.03.95-27.03.98 (Three years)	1,39,092.00 + one J.R.F.
(iii)	Configurational Study and Analysis Stochastic Models	U.G.C.	26.03.99-25.03.01 (Two years)	15,000.00
(iv)	Some Reliability Aids to Engineering System Models	U.G.C.	03.09.01-02.09.03 (Two years)	20,000.00

DETAILS OF OTHER ACADEMIC / ADMINISTRATIVE ASSIGNMENTS

- (i) Worked as a Referee of various national and international journals such as–Microelectronics and Reliability (U.K.), Reliability Engineering and System Safety (USA), Journal of Quality in Maintenance Engineering (Saudi Arabia), Journal of Ravishankar University (Raipur), Gujarat Statistical Review (Ahmadabad), Aligarh Journal of Statistics (Aligarh), IMA Journal of Applied Mathematics (U.K.), International Journal of System Assurance Engineering and Management, Journal of Reliability and Statistical Studies and International Journal of Systems Science (U.K.).
- (ii) Evaluated a number of M.Phil. / Ph.D. Thesis of various Universities and worked as a Paper-Setter of Public Service Commission – U.P., M.P. and Various state Universities.
- (iii) Acting as a member of Board of Studies in H.N.B. Garhwal University, Srinagar since last ten years.
- (iv) Worked as Assistant D.S.W., Ch. Charan Singh University, Meerut during the period 1993-1995.
- (v) Worked as a Warden of K.P. Boys Hostel, Ch. Charan Singh University, Meerut during the period Dec.15, 1998 to Sept.20, 2001.
- (vi) Worked as a member of Advisory Board of the School of Business Studies, Ch. Charan Singh University, Meerut during the session 1999-2000.
- (vii) Worked as Chief Election Officer for conducting University Campus Students' Union Elections 2004-2005.
- (viii) Acted as coordinator of National Mathematical Olympiad of Meerut region during 2003-07.
- (ix) Worked as Coordinator of UGC NET Exam-Dec. 2008.
- (x) Worked as Dean of Science, CCS University, Meerut.

- (xi) Worked as senior superintendent CCS University Campus semester examinations in Dec-Jan, 2011.
- (xii) Worked as Head department of Statistics from Jan. 01, 2008 to Dec. 31, 2010 and Jan 01, 2014 to Dec. 31, 2016.
- (xiii) Member of IQAC, C.C.S.University, Meerut from 2010.
- (xiv) Presently working as Professor in-charge of Raja Mahendra Pratap Library, C.C.S. University, Meerut.

LIST OF STUDENTS WHO HAVE COMPLETED THEIR PH.D

Annexure-A

1. **Mr. Sachendra Bansal**, “Cost benefit Analysis of Some Reparable Redundant Systems”, Awarded (1990).
2. **Mrs. Alka Chaudhary**, “Some Stochastic Models Related to Engineering Systems”, Awarded (1993).
3. **Mr. S. Z. Mumtaz**, “Model Building and Analysis of Some Redundant Systems”, Awarded (1994).
4. **Mrs. Ritu Goel**, “Cost-Benefit Analysis of Some Probabilistic Models Related to Engineering Systems”, Awarded (1999).
5. **Mr. Nitin Rastogi**, “Some Aids to Reliability Studies”, Awarded (2000).
6. **Mr. Ram Kishan**, “Stochastic Analysis of Some Reparable Redundant Systems”, Awarded (2001).
7. **Mr. A. K. Mogha**, “Cost-Benefit Analysis of Some Stochastic Models of Redundant Systems”, Awarded (2002).
8. **Mr. V. K. Sehgal**, “Counter-Model Theory and its Applications in Population Studies Competing Risks and Epidemic Models”, Awarded (2003).
9. **Mr. Shivakar**, “Some Reliability Aids to Engineering System Models”, Awarded (2003).
10. **Mr. Praween Kumar**, “Cost-Benefit Analysis of Some Probabilistic Models Related to Engineering Systems”, Awarded (2003).
11. **Mr. P. D. Agarwal**, “Stochastic Analysis of Some Redundant System models”, Awarded (2003).
12. **Mr. Pawan Kumar**, “Some Stochastic Reparable Engineering System Models”, Awarded (2003).

13. **Mr. Pradeep Chaudhary**, “Cost-Benefit Analysis of Various Repairable Stochastic Models”, Awarded (2004).
14. **Mr. A. K. Gupta**, “Analysis of Some Non-Markovian Stochastic Models of Redundant Systems”, Awarded (2004).
15. **Mr. Rahul Singh**, “Profit Analysis of Some Repairable Engineering System Models”, Awarded (2005).
16. **Mr. Satish Kumar**, “Cost Benefit Analysis of Non-Markovian Models of Some Redundant Systems”, Awarded (2006).
17. **Km. Madhu Mahi**, “Analysis of Some Repairable Redundant System Models”, Awarded (2006).
18. **Mr. Gaurav Varshney**, “Configurational Modeling and Analysis in Respect of Reliability Characteristics of Some Redundant System Models”, Awarded (2006).
19. **Mr. Pradeep Sharma**, “Configurational Study and Analysis in Respect of Reliability Characteristics of Some Stochastic System Models”, Awarded (2006).
20. **Miss. Punam Bisht**, “Stochastic Analysis of Some Probabilistic Models Related to Engineering Systems”, (2008).
21. **Mr. Vishal Sharma**, “Analysis of Some Engineering System Models by Regenerative Point Technique”, (2008).
22. **Km. Reshu Agarwal**, “Dynamic Statistical Modeling of Methane Emission from Wetlands Using Satellite Remote Sensing Data”, (2008).
23. **Mr. Kailash Kumar**, “Profit Analysis of Some Engineering System Models”, (2008).
24. **Mr. Dharmendra Kumar**, “Stochastic Analysis of Some Redundant System Models”, (2009).
25. **Km. Archana Tomar**, “Stochastic Analysis of Some Repairable Engineering System Models”, (2009).
26. **Mr. Vikas Saxena**, “Configurational Study and Cost-Benefit Analysis of Some Repairable Engineering System Models”, (2011).
27. **Mrs. Swati Kujal**, “Some Reliability Aids to Repairable Man-Made System Models”, (2015).

LIST OF RESEARCH PAPERS

Annexure-B

S.No	Title of Paper	Authors	Journal	Vol., Page and Year	ISSN and Publisher
1.	A Multistate System with Two Repair Distributions	L.R. Goel, N.K. Jaiswal & Rakesh Gupta	Microelectron Reliab	Vol. 23(2), 337-340, (1983)	0026-2714 Elsevier
2.	A Multi-Component Two Unit Cold Standby System with Three Modes	L.R. Goel and Rakesh Gupta	Microelectron Reliab	Vol. 23 (5), 799-803 (1983)	0026-2714 Elsevier
3.	A Multi-Standby System with Repair and Replacement Policy	L.R. Goel and Rakesh Gupta	Microelectron Reliab.	Vol. 23 (5), 805-808 (1983)	0026-2714 Elsevier
4.	A Multi-Standby Multi Failure Mode System with Repair and Replacement Policy	L.R. Goel and Rakesh Gupta	Microelectron Reliab.	Vol. 23 (5), 809-812 (1983)	0026-2714 Elsevier
5.	A Single Unit Multi-Component System Subject to Various Types of Failures	L.R. Goel, Rakesh Gupta and Praveen Gupta	Microelectron Reliab.	Vol. 23 (5), 813-816 (1983)	0026-2714 Elsevier
6.	Analysis of a Two Unit Hot Standby System with Three Modes	L.R. Goel, Rakesh Gupta and Praveen Gupta	Microelectron Reliab.	Vol. 23 (6), 1029-1033 (1983)	0026-2714 Elsevier
7.	Analysis of a Two Unit Cold Standby System with Three Modes	L.R. Goel, Rakesh Gupta and S.K. Singh	Microelectron Reliab	Vol. 23 (6), 1041-1044 (1983)	0026-2714 Elsevier
8.	Reliability Analysis of a Multi-Unit Cold Standby System with Two Operating Modes	L.R. Goel and Rakesh Gupta	Microelectron Reliab	Vol. 23 (6), 1045-1050 (1983)	0026-2714 Elsevier
9.	A Two (Multi-Component) Unit Parallel System with Standby and Common Cause Failure	L.R. Goel, Rakesh Gupta and S.K. Singh	Microelectron Reliab	Vol. 24 (3), 415-418 (1984)	0026-2714 Elsevier
10.	Availability Analysis of a Two Unit Cold Standby System with Two Switching Failure Modes	L.R. Goel and Rakesh Gupta	Microelectron Reliab.	Vol. 24 (3), 419-423 (1984)	0026-2714 Elsevier

11.	Analysis of a Two Unit Standby System with Three Modes and Imperfect Switching Device	L.R. Goel and Rakesh Gupta	Microelectron Reliab.	Vol. 24 (3), 425-429 (1984)	0026-2714 Elsevier
12.	Availability Analysis of a Four-State Markov System	L.R. Goel, N.K. Jaiswal and Rakesh Gupta	International Journal of Systems Science	Vol. 25 (9), 977-982, (1984)	0020-7721 Taylor Francis
13.	Cost Analysis of a Two-Unit Priority Standby System with Imperfect Switch and Arbitrary Distributions	L.R. Goel, Rakesh Gupta and S.K. Singh	Microelectron Reliab.	Vol. 25 (1), 65-69, (1985)	0026-2714 Elsevier
14.	Cost Analysis of a Two-Unit Cold Standby System with Two Types of Operation and Repair	L.R. Goel, Rakesh Gupta and S.K. Singh	Microelectron Reliab	Vol. 25 (1), 71-75, (1985)	0026-2714 Elsevier
15.	Availability Analysis of a Two-Unit (Dissimilar) Parallel System with Inspection and Bivariate Exponential Life Times	L.R. Goel, Rakesh Gupta and S.K. Singh	Microelectron . Reliab.	Vol. 25 (1), 77-80, (1985)	0026-2714 Elsevier
16.	Cost Analysis of a Two-Unit Standby System with Delayed Replacement and Better Utilization of Units	L.R. Goel, Rakesh Gupta and S.K. Singh	Microelectron Reliab.	Vol. 25(1), 81-86, (1985)	0026-2714 Elsevier
17.	Cost Analysis of a System with Partial Failure Mode and Abnormal Weather Conditions	L.R. Goel, Rakesh Gupta and A.K. Rastogi	Microelectron Reliab.	Vol. 25(3), 461-466, (1985)	0026-2714 Elsevier
18.	Profit Analysis of a Cold Standby System with Two Repair Distributions	L.R. Goel, Rakesh Gupta and S.K. Singh	Microelectron Reliab.	Vol. 25(3), 467-472, (1985)	0026-2714 Elsevier
19.	Cost Analysis of a Two Unit Cold Standby System Under Different Weather Condition	L.R. Goel, G.C. Sharma and Rakesh Gupta	Microelectron Reliab.	Vol. 25(4), 655-659, (1985)	0026-2714 Elsevier
20.	Cost-Benefit Analysis of a One-Server Two-Unit Standby System Subject to Imperfect Switching Device, Random Inspection and k-Failure Modes	Rakesh Gupta	Microelectron Reliab.	Vol. 26(1), 7-11, (1986)	0026-2714 Elsevier

21.	Probabilistic Analysis of a Two-Unit Cold Standby System with Two-Phase Repair and Preventive Maintenance	Rakesh Gupta	Microelectron Reliab.	Vol. 26(1), 13-18, (1986).	0026-2714 Elsevier
22.	Stochastic Analysis of Standby System with Duplex Units	L.R. Goel, S.K. Singh and Rakesh Gupta	Microelectron Reliab.	Vol. 26 (1), 19-24, (1986)	0026-2714 Elsevier
23.	Cost-benefit analysis of a two-unit warm standby system with inspection, repair and post-repair	L.R. Goel, Rakesh Gupta and S.K. Singh	IEEE Transaction on Reliability	Vol.R-35(1),70, (1986)	0018-9359 IEEE Education Society
24.	Cost-benefit analysis of a single server three unit redundant system with inspection, delayed replacement and two types of repair	Rakesh Gupta , C.P. Bajaj and S.K. Singh	Microelectron Reliab.	Vol. 26(2), 247-253, (1986)	0026-2714 Elsevier
25.	Profit analysis of a two-unit standby system with two types of repair and preventive maintenance	L.R. Goel, Rakesh Gupta and A.K. Rastogi	Microelectron Reliab.	Vol. 26(3), 435-444 (1986).	0026-2714 Elsevier
26.	A single server multi-component two-unit cold standby system with inspection and imperfect switching device	Rakesh Gupta , C.P. Bajaj and S.M. Sinha	Microelectron Reliab	Vol. 26(5), 873-877 (1986).	0026-2714 Elsevier
27.	Cost-benefit analysis of a multi-component standby system with inspection and slow switch	Rakesh Gupta , C.P. Bajaj and S.M. Sinha	Microelectron Reliab	Vol. 26(5), 879-882 (1986).	0026-2714 Elsevier
28.	Cost analysis of a two unit priority standby system with imperfect switch, intermittent repair and arbitrary distributions	L.R. Goel, Rakesh Gupta and S.K. Singh	IEEE Transaction on Reliability	Vol. R-35(5), 585 (1986)	0018-9359 IEEE Education Society
29.	Analysis of a single server three-unit redundant system with inspection and delayed replacement	L.R. Goel, S.K. Singh and Rakesh Gupta	IEEE Transaction on Reliability	Vol.R-35(5), 606 (1986).	0018-9359 IEEE Education Society
30.	Stochastic behavior of a cell-exposed to radiations	L.R. Goel, Rakesh Gupta and V.S. Rana	Int. Journal of Management and Systems	Vol. 4(1), 15-26, (1988)	0970-7328 Technocrat Publications Centre

31.	Stochastic behavior of a cell survival with n-sensitive regions of nucleus and cytoplasm	L.R. Goel, Rakesh Gupta and V.S. Rana	Int. Journal of Management and Systems	Vol.5(2), 89-98, (1988)	0970-7328 Technocrat Publications Centre
32.	Analysis of a three-unit redundant system with two types of repair and inspection	L.R. Goel, Rakesh Gupta and R.K. Agnihotry	Microelectron Reliab	Vol. 29(5), 769-773, (1989)	0026-2714 Elsevier
33.	Profit analysis of a two-unit priority standby system with administrative delay in repair	Rakesh Gupta and L.R. Goel	Int. Journal of Systems Science	Vol. 20(9), 1703-1712, (1989).	0020-7721 Taylor Francis
34.	Stochastic analysis of a two-unit warm standby system with fault detection and inspection	L.R. Goel, R.K. Agnihotry and Rakesh Gupta	Microelectron Reliab.	Vol. 30(1), 61-65, (1990).	0026-2714 Elsevier
35.	Operating orbit system with two dissimilar units and corresponding standby	L.R. Goel, Rakesh Gupta and S.E. Moafi	Int. J. of Systems Science	Vol. 21(3), 495-501, (1989)	0020-7721 Taylor Francis
36.	Profit analysis of a two-unit priority standby system with rest period of the operator	Rakesh Gupta , S. Bansal and L.R. Goel	Microelectron Reliab	Vol.30(4), 649-654, (1990)	0026-2714 Elsevier
37.	Profit analysis of a two-unit cold standby system with varying physical conditions of the repairman	L.R. Goel, Rakesh Gupta and P. Srivastava	Microelectron Reliab	Vol. 30(4), 655-660 (1990)	0026-2714 Elsevier
38.	Stochastic analysis of a multi-unit cold standby system working in orbit form	L.R. Goel, Rakesh Gupta and S.E. Moafi	Microelectron Reliab	Vol. 30(5), 845-850 (1990)	0026-2714 Elsevier
39.	Reliability analysis of a system with a mixture of warm and cold standby	Rakesh Gupta , S. Bansal and L.R. Goel	Microelectron Reliab	Vol. 30(6), 1039-1042 (1990)	0026-2714 Elsevier
40.	Cost-benefit analysis of two-unit parallel system with administrative delay in repair	Rakesh Gupta and Rakesh Goel	Int. J. of Systems Science	Vol. 21(7), 1369-1379 (1990)	0020-7721 Taylor Francis
42.	Profit function analysis of a system with mixture of warm and cold standby	Rakesh Gupta , S. Bansal and L.R. Goel	Int. J. of Systems Science	Vol. 21(8), 1577-1587 (1990)	0020-7721 Taylor Francis

43.	Profit analysis of a two-unit cold standby system with abnormal weather conditions	Rakesh Gupta and Rakesh Goel	Microelectron Reliab.	Vol. 31(1), 1-5, (1991)	0026-2714 Elsevier
44.	Profit analysis of a two multi-component unit standby system with MRT	Rakesh Gupta , R. Goel and L.R. Goel	Microelectron Reliab	Vol. 31(1), 7-10, (1991).	0026-2714 Elsevier
45.	Two unit redundant system with inspection and adjustable rates	L.R. Goel, R.K. Agnihotri and Rakesh Gupta	Microelectron Reliab	Vol. 31(1), 11-14, (1991)	0026-2714 Elsevier
46.	Profit analysis of a two-unit priority standby system subject to degradation	Rakesh Gupta and Sachendra Bansal	Int. J. of Systems Science	Vol. 22(1), 61-72, (1991)	0020-7721 Taylor Francis
47.	C.H.E. failure in a two-unit standby system with slow switch, repair and post repair	L.R. Goel, Rakesh Gupta and P.K. Tyagi	Microelectron Reliab.	Vol. 31(2-3), 219-222, (1991)	0026-2714 Elsevier
48.	Cost analysis of a three-unit standby system subject to random shocks and linearly increasing failure rates	Rakesh Gupta and Sachendra Bansal	Reliability Engineering and System Safety	Vol. 33(2), 249-263 (1991)	0951-8320 Elsevier
49.	Analysis of a complex system composed of two sub-systems with their standby	Rakesh Gupta and Sachendra Bansal	Microelectron Reliab	Vol. 31(2/3), 453-463, (1990)	0026-2714 Elsevier
50.	A single server two-unit warm standby system with n failure modes, fault detection and inspection	L.R. Goel, R.K. Agnihotri and Rakesh Gupta	Microelectron Reliab	Vol.31(5), 841-845 (1991)	0026-2714 Elsevier
51.	Comparison of two stochastic models each related to two unit series system with cold standbys	S.E. Moafi, L.R. Goel and Rakesh Gupta	Microelectron Reliab	Vol.31(6), 1105-1111, (1991)	0026-2714 Elsevier
52.	Stochastic analysis of a computer system model with intelligent terminals and two types of failures	L.R. Goel, V.S. Rana and Rakesh Gupta	Microelectron Reliab	Vol.31(6), 1113-1117 (1991)	0026-2714 Elsevier
53.	Analysis of a two-unit cold standby system with degradation and linearly increasing failure rates	Rakesh Gupta	Int. Journal of Systems Science	Vol. 22(11), 2329-2338 (1991)	0020-7721 Taylor Francis

54.	Cost-benefit analysis of one-unit system with n-degraded states due to random shocks	Rakesh Gupta and Sachendra Bansal	Int. Journal of Systems Science	Vol. 22(11), 2339-2346 (1991).	0020-7721 Taylor Francis
55.	Profit analysis of a k-out of n-trichotomous system	Rakesh Gupta and L.R. Goel	Reliability Engineering and System Safety	Vol. 37(1), 39-44, (1992)	0951-8320 Elsevier
57.	A two-unit cold standby system with correlated failures and repairs	L.R. Goel, P. Shrivastava and Rakesh Gupta	Int. Journal of Systems Science	Vol. 23(3), 379-391 (1992)	0020-7721 Taylor Francis
58.	Cost analysis of a two-unit chargeable standby system interchangeable units and two type of failures	L.R. Goel, P.K. Tyagi and Rakesh Gupta	Microelectron Reliab	Vol.32(6), 775-779 (1992)	0026-2714 Elsevier
59.	Stochastic analysis of a Xenix operating computer system with two down modes	L.R. Goel, Rakesh Gupta and V.S. Rana	Microelectron Reliab	Vol. 32(6), 781-791 (1992)	0026-2714 Elsevier
60.	A stochastic model of a system with two phases of operation	L.R. Goel, Rakesh Gupta and S.E. Moafi	Microelectron Reliab	Vol. 32(6), 799-803 (1992)	0026-2714 Elsevier
61	A two unit priority standby system subject to random shocks and Rayleigh failure time distribution	Rakesh Gupta and Alka Chaudhary	Microelectron Reliab	Vol.32(12), 1713-1723 (1992).	0026-2714 Elsevier
62.	Reliability analysis of a satellite based computer communication network system	L.R. Goel, Rakesh Gupta and V.S. Rana	Microelectron Reliab.	Vol. 33(2), 119-126 (1993).	0026-2714 Elsevier
63.	A multi-component standby system subject to inspection and truncated normal failure time distribution	Rakesh Gupta and Alka Chaudhary	Microelectron Reliab	Vol.33(2), 127-131 (1993).	0026-2714 Elsevier
64.	Stochastic analysis of a fault tolerant network system	L.R. Goel, Rakesh Gupta and V.S. Rana	Microelectron Reliab	Vol. 33(3), 303-306 (1993)	0026-2714 Elsevier
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Annexure-C

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