

Government Arts College (Autonomous), Coimbatore – 18
Performance - Teacher Appraisal Report

i) General Information

- a) Name : **Dr. R. SAMPATH KUMAR**
b) Address (Residential) : 80A/100, SMS Layout, Mobile No.: 99408 04748
3rd Street, Ondipudur
Coimbatore – 641 016

c) Designation : Associate Professor
d) Department : **STATISTICS**
e) Date of Birth : 03/06/1969
f) Area of Specialization : Statistical Quality Control



A) Academic Qualifications

Examination Passed	Board/University	Subjects	Year	Division/ Grade/Merit etc.
High School	Secondary Education Tamilnadu	---	1984	First Class
Higher Secondary or Pre-degree	Higher Secondary Examination, Tamilnadu	Maths, Physics, Chemistry, Biology	1986	Second Class
B.Sc	Bharathiar University	Statistics	1989	First Class
M.Sc	Bharathiar University	Statistics	1991	First Class
M.Phil	Manonmaniam Sundaranar University	---	2002	---
Ph.D.	Bharathiar University	---	2008	---
PGDCA	Bharathiar University	--	2008	Second Class
MBA	Bharathiar University	Human Resource	2011	First Class

ii) Research Experience & Training

Research Stage	Title of work/Thesis	University where the Work was carried out
M.Phil	Rectifying inspection of Bernoullian and Markovian Manufacturing Processes – A Review	Manonmaniam Sundaranar University, Tirunelveli
Ph.D.	Construction and Selection of Mixed Variables - Attributes Sampling Plans	Bharathiar University Coimbatore
No. of Publications	45	
Publications (Give a list separately)	Please refer Appendix A	
Training (Please specify)	Orientation course – 2 Refresher course – 3	
Research Guidance (Ph.D.)	1. R. Vijayakumar : Construction of Mixed Sampling Plans using Intervened Random Effect Poisson Distribution 2. M. Indra : Contributions to the study of certain Mixed Attribute Sampling Inspection Plans 3. R. Kiruthika : Contribution to the construction of sampling plans using Weighted Poisson Distribution 4. R. Sumithra : Construction and Selection of Mixed Sampling Plans Using MAPD, MAAOQ And Discriminant Tangential Angles	Bharathiar University Coimbatore Bharathiar University Coimbatore Bharathiar University Coimbatore Bharathiar University Coimbatore

B. Research Projects carried out

Title of the project Remarks	Name of the Funding Agency	Duration
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C. Seminars, Conferences, Symposia Workshops etc. attended:

Name of the Seminar/ Conference/Symposia Workshop,etc.	Name of the Sponsoring Agency	Place and Date
Please	Refer	Appendix B

iii. TEACHING EXPERIENCE

Name of the Institution	Designation	Duration		No. of Years		
		From	To	Y	M	D
Sri Jayendra Saraswathy Mahavidyalaya College of Arts and Science, Singanallur, Coimbatore – 641 005	Lecturer	15th July 1999	31 st May 2007	07	10	00
Sri Krishna Arts and Science College, Kuniyamuthur, Coimbatore – 641 008	Lecturer	1 st June 2007	7 th July 2009	02	01	07
Government Arts College Udumalpet	Asst. Professor	9 th July 2009	19 th July 2010	01	00	11
Chikkanna Govt. Arts College. Tirupur – 2.	Asst. Professor	20 th July 2010	17 th Feb 2011	00	06	29
Govt. Arts College, Coimbatore – 641 018	Asst. Professor	18 th Feb 2011	Till Date	12	06	---

Total Teaching experience

- a) Under-graduate (Pass) : 22 Years
b) Post-graduate : 19 Years
c) Research : 19 Years

Innovations / Contributions in Teaching:-

- a) Design of Curriculum : Designed syllabus for B.Sc and M.Sc.
Statistics Courses
- b) Teaching Methods : Lecturing, educational quiz, group discussions
seminars, teaching through A/V aids,
Industrial Visits and Training

- c) Laboratory Experiments : Experiments based on problems solving ability in accordance with the syllabus, and conducting viva-voce.
- d) Evaluation methods : Tests, Seminars, problem solving experiments Paper Presentation, Attentiveness of the student is periodically watched, problem solving exercises, projects.
- e) Preparation of resource material including books, reading materials laboratory manuals etc. :
 1. Mainly prescribed text book
 2. Consultation with senior professors
 3. Journals and Magazines
 4. Internet, Magazines, News Papers
- f) Remedial Teaching / Student counseling (academic) : Special coaching classes, identifying students' problems, helping them in solving problems, parental counselling.
- g) Any other : Periodical counselling to students of the Department / College in the Guidance and Counselling center.

Extension Work / Community Service

- a) Please give a short account of your contribution to
 - i) Community work such as values of National integration, secularism Democracy, socialism, humanism Peace, scientific temper, flood or drought relief, small family norms etc. : Creating awareness about the basic values, interpersonal skills, social skills and Pro social behavior among students and members in the community
 - ii) National Literacy Mission : Creating awareness about the importance and value of literacy
- b) Positions held / Leadership role played in organizations linked with extension work and National Service Scheme (NSS) or (NCC) or any other similar activity :
 1. Class Tutor (I – B.Sc., Statistics)
 2. Co-ordinator - Computer Literacy Programme

D. Participation in Corporate Life

Please give a short account of your contribution to

- a) College / University / Institution : Helping the Principal, HOD in the

- Departmental activities, maintaining discipline in the campus, motivating the students to join all the extra curricular activities, Research Committee Member of the College.
- b) Co-curricular Activities : ---
- c) Enrichment of Campus Life : Helping / assisting / guiding the Principal HOD, Colleagues and Students to enrich the campus life.
(hostels, sports, games, cultural activities)
- d) Students Welfare and Discipline : Periodical counselling to the students Their Parents and family members in the Guidance and Counselling center.
- e) Students Welfare and Discipline Bodies / Committees on Education and National Development : Member – Board of Studies, Syllabus framing, external and internal examiner in Theory and Practical, Doctoral Committee Member for Research Works
- f) Professional Organization of Teachers : ---
- E.** a) Members of professional bodies : Kerala Statistical Association, Kerala
- b) Editorship of journals :
- F.** Any other information societies etc. : ---

(SIGNATURE OF THE TEACHER)

ii. Research Experience & Training : List of Publications**LIST OF PUBLICATIONS IN JOURNALS**

- 1. RADHAKRISHNAN, R. AND SAMPATH KUMAR, R. (2005).** ‘Matching of mixed sampling plans indexed through MAPD and AQL’, *Management Matters, LIBA*, Vol.1, No.5, pp.105-108.
- 2. RADHAKRISHNAN, R. and SAMPATH KUMAR, R. (2006).** ‘Construction of mixed sampling plan indexed through MAPD and IQL with single sampling plan as attribute plan’, *National Journal of Technology*, Vol.2, No.2, pp.26-29.
- 3. RADHAKRISHNAN, R. and SAMPATH KUMAR, R. (2006).** ‘Construction of mixed sampling plans indexed through MAPD and AQL with chain sampling plan as attribute plan’, *STARS Int. Journal*, Vol.7, No.1, pp.14-22.
- 4. RADHAKRISHNAN, R. and SAMPATH KUMAR, R. (2007).** ‘Construction and comparison of mixed sampling plans having repetitive group sampling plan as attribute plan’, *National Journal of Technology*, Vol 4, No.3. pp. 1-6.
- 5. RADHAKRISHNAN, R. and SAMPATH KUMAR, R. (2007).** ‘Construction of mixed sampling plans indexed through MAPD and IQL with double sampling plan as attribute plan’, *The Journal of the Kerala Statistical Association*, Vol.18, pp. 13-22.
- 6. RADHAKRISHNAN, R. and SAMPATH KUMAR, R. (2007).** ‘Construction of mixed sampling plans indexed through MAPD and AQL with double Sampling plan as attribute plan’, *The International Journal of Statistics and System*, Vol.2, No.2, pp. 33-39.
- 7. RADHAKRISHNAN, R., SAMPATH KUMAR., R AND MALLIKA., M, (2008).** ‘Designing of sampling plans indexed through convex combination of AOQL and MAAOQ’, *Excel Publishers*, Chapter 5, pp.45-52.
- 8. RADHAKRISHNAN, R. AND SAMPATH KUMAR, R. (2009).** ‘Construction and comparison of mixed sampling plans having ChSP-(0,1) plan as attribute plan’, *The International Journal of Statistics and Management System*, Vol.4, No.1-2, pp. 134-149.
- 9. RADHAKRISHNAN, R., SAMPATH KUMAR, R., and SARAVANAN, P.G., (2009).** ‘Construction of dependent mixed sampling plan using single sampling plan as attribute plan’, *The International Journal of Statistics and System*, Vol.5, No.1, pp.69-74.
- 10. RADHAKRISHNAN, R., SAMPATH KUMAR., R AND MALATHI., M (2010).** ‘Selection of mixed sampling plan with TNT-($n_1, n_2; 0$) plan as attribute plan indexed through MAPD and MAAOQ’, *International Journal of Statistics and System*, Vol.5, No.4, pp. 477-484.
- 11. SEKKIZHAR., SAMPATH KUMAR., R AND RADHAKRISHNAN, (2010).** ‘Variable-Attribute mixed sampling plans by intervened random effect Poisson distribution’, *The Journal Contemporary Management Research* Vol.4, No.1, pp.79-87.
- 12. RADHAKRISHNAN, R, SAMPATH KUMAR, R AND MALATHI., M (2010).** ‘Selection of mixed sampling plan with TNT-($n_1, n_2 : 0$) plan as attribute plan indexed through MAPD and IQL’, *The Journal of Kerala Statistical Association*, Vol.21, pp.45-54.
- 13. RADHAKRISHNAN, R., SAMPATH KUMAR., R AND MALLIKA., M (2011).** ‘Construction of mixed sampling plan indexed through AOQcc with single sampling plan as attribute plan’, *Advances in Theoretical and Applied Mathematics*, Vol.6, No.1, pp.65-72.
- 14. RADHAKRISHNAN, R., SAMPATH KUMAR., R AND MALATHI., M (2010).** ‘Selection of mixed sampling plan with TNT-($n_1, n_2; 0$) plan as attribute plan indexed through MAPD and LQL’, *ANU Journal of Physical Sciences*, Vol.2, No.2, pp. 52-60.
- 15. SAMPATH KUMAR, R., SUMITHRA, S., AND RADHAKRISHNAN, R. (2011).** Selection of Mixed Sampling Plan with CSP-1 plan as attribute plan indexed through MAPD and MAAOQ, *International Journal of Applied Computational Science and Mathematics (IJACSM)*, Vol. 1, No. 1, pp. 37-44.

16. SAMPATH KUMAR, R. KIRUTHIKA, R. AND RADHAKRISHNAN, R. (2011). 'Comparison of mixed sampling plan indexed through MAPD and LQL with single sampling plan as attribute plan using weighted Poisson distribution', '*Journal of statistics science*', Vol.3, No.2, pp. 165-173.
17. SAMPATH KUMAR, R., VIJAYAKUMAR, R. AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling plan with Single Sampling Plan as Attribute Plan using Intervened Random effect Poisson distribution. *International Journal of Statistics and Analysis*. Vol.2, No.1, pp.7-16.
18. SAMPATH KUMAR, R., VIJAYAKUMAR, R. AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling plan with Double Sampling Plan as Attribute Plan Indexed through MAPD and IQL using Intervened Random effect Poisson distribution. *International Journal of Industries Engineering and Technology*. Vol.4, No.1, Jan-June 2012, pp.29-36.
19. SAMPATH KUMAR, R., VIJAYAKUMAR, R. AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling plan with Repetitive Group Sampling Plan as Attribute Plan Indexed through MAPD and AQL using IRPD. *Global Journal of Management science and Technology*. Vol.1, No.4, May-2012. pp.1-10.
20. SAMPATH KUMAR, R., VIJAYAKUMAR, R. AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling plan through MAPD and LQL using Intervened Random effect Poisson distribution. *International Journal of Engineering Research and Applications*. Vol.2, No.3, May-June, pp.2220-2226.
21. SAMPATH KUMAR, R., VIJAYAKUMAR, R. AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling plans with Conditional double sampling plan as attribute plan indexed through MAPD and IQL using IRPD, *International Journal of Emerging trends in Engineering and Development*. Vol.4, No.2, May-June, pp.243-250.
22. SAMPATH KUMAR, R., VIJAYAKUMAR, R. AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling plans with Conditional double sampling plan as attribute plan indexed through MAPD and IQL using IRPD, *International Journal of Computational Engineering Research* Vol.2, No.2, pp.306 -313.
23. SAMPATH KUMAR, R., VIJAYAKUMAR, R. AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling plan with Repetitive Group Sampling Plan as Attribute Plan Indexed through MAPD and IQL using IRPD, *International Journal of Computer Information Systems*, Vol.4, No.5, pp.77-88.
24. SAMPATH KUMAR, R., SUMITHRA, S., AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling Plan with CSP-1($c=2$) plan as attribute plan indexed through MAPD and MAAOQ, *International Journal of Scientific and Engineering Research(IJSER)*, Vol. 3, Issue 1, pp. 1-5.
25. SAMPATH KUMAR, R., SUMITHRA, S., AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling Plan with Tightened CSP-3($k=i$) plan as attribute plan indexed through MAPD and MAAOQ, *International Journal of Emerging trends in Engineering and Development (IJETED)*, Vol. 1, Issue 2, pp. 95-102.
26. SAMPATH KUMAR, R., SUMITHRA, S., AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling Plan with Tightened CSP-2($k=i$) plan as attribute plan indexed through MAPD and MAAOQ, *International Journal of Industrial Engineering and Technology(IJIET)*, Vol. 1, Issue 2, pp. 131-136.
27. SAMPATH KUMAR, R., SUMITHRA, S., AND RADHAKRISHNAN, R. (2012). Selection of Mixed Sampling Plan with CSP-3 ($k=i$) plan as attribute plan indexed through MAPD and MAAOQ, *International Journal of Management, IT and Engineering*, Vol. 2, Issue 3, pp. 160-169.
28. SAMPATH KUMAR, R. KIRUTHIKA, R. AND RADHAKRISHNAN, R. (2012). 'Construction of mixed sampling plan with single sampling plan as attribute plan indexed through (MAPD, MAAOQ) and (MAPD, AOQL)', '*International journal of management IT and engineering*', Vol.2 , No.4, pp-220-229.
29. SAMPATH KUMAR, R. KIRUTHIKA, R. AND RADHAKRISHNAN, R. (2012). 'Construction of mixed sampling plan indexed through MAPD and LQL with double sampling plan as attribute plan using weighted Poisson distribution', '*International journal of Electronics and Communication Engineering*', Vol.5, No.3, pp. 39-47.
30. SAMPATH KUMAR, R. KIRUTHIKA, R. AND RADHAKRISHNAN, R. (2012). 'Construction of mixed sampling plan with double sampling plan as attribute plan indexed through (MAPD, MAAOQ) and (MAPD, AOQL)', '*Global journal of arts and management*, Vol.2 , No.2, pp-107-111.
31. SAMPATH KUMAR, R. KIRUTHIKA, R. AND RADHAKRISHNAN, R. (2012). 'Construction of mixed sampling plan indexed through MAPD and AQL with Conditional double sampling plan as attribute plan using weighted Poisson distribution', '*International journal of Engineering research and application (IJERA)*', Vol.2, No.4, pp. 523-528.

32. SAMPATH KUMAR, R., INDRA, M., AND RADHAKRISHNAN, R.(2012). **Selection of mixed sampling plan with TNT-($n;c_1,c_2$) plan as attribute plan indexed through MAPD and AQL**, *International Journal of Engineering Research and Applications*, Vol.2, No.3, June 2012, pp.1326-1332.
33. SAMPATH KUMAR,R., INDRA, M., AND RADHAKRISHNAN, R. (2012). **Selection of mixed sampling with TNT-($n;c_1,c_2$) plan as attribute plan indexed through MAPD and IQL**, *International Journal of industrial and Engineering Technology*, Vol.4, No.3, pp.157-165.
34. SAMPATH KUMAR,R., INDRA, M., AND RADHAKRISHNAN, R. (2012). **Selection of mixed sampling with TNT-($n;c_1,c_2$) plan as attribute plan indexed through MAPD and LQL**, *International Journal of Applied Engineering And Technology*, Vol.2,No.1, Jan-Mar,pp.38-44.
35. SAMPATH KUMAR, R., INDRA, M., AND RADHAKRISHNAN, R. (2012). **Selection of mixed sampling plans with QSS-1($n;c_N,c_T$) plan as attribute plan indexed through MAPD and AQL** , *Indian Journal of Science and Technology*, Vol.5,No.2,Feb 2012, pp. 2096- 2099.
36. SAMPATH KUMAR, R., INDRA,M., AND RADHAKRISHNAN, R. (2012). **Selection of mixed sampling plan with QSS-1($n,mn;c_0$) plan as attribute plan indexed through MAPD and IQL** , *International Journal of Emerging Trends in Engineering and Development*, Vol.3, No.2, April 2012,pp. 33-39.
37. SAMPATH KUMAR, R., INDRA,M., AND RADHAKRISHNAN, R. (2012). **Selection of mixed sampling plan with QSS-1($n,mn;c_0$) plan as attribute plan indexed through MAPD and LQL** , *Global Journal of Engineering and Applied Sciences*, Vol.2, No.2,pp. 152-156.
38. SAMPATH KUMAR, R., INDRA,M., AND RADHAKRISHNAN, R. (2012). **Selection of mixed sampling plan with QSS-1($n,C_N;C_T$) plan as attribute plan indexed through MAPD and IQL** , *Antarctica Journal of Computer and Engineering*, Vol.1, No.1, pp. 1-10.
39. SAMPATH KUMAR, R., KIRUTHIKA, R. AND RADHAKRISHNAN, R. (2013). ‘Construction of Mixed Sampling Plans indexed through MAPD and AQL with Conditional Repetitive Group Sampling Plan as Attribute Plan using Weighted Poisson Distribution’, *Journal of Engineering Computers and Applied Sciences*, Vol.2, No.5, pp. 12-16, ISSN 2321-1784.
40. SAMPATH KUMAR, R., KIRUTHIKA, R. AND RADHAKRISHNAN, R. (2013). ‘Construction of Mixed Sampling Plans Indexed through MAPD and IQL with Link Sampling Plan as Attribute Plan using Weighted Poisson Distribution’, *International Journal of Management and Social sciences*, Vol.1, No.1, pp. 147-158, ISSN 2319-5606.
41. SAMPATH KUMAR, R., INDRA, M. AND RADHAKRISHNAN, R. (2013). ‘**Selection of Mixed Sampling Plans with QSS- 3($n;c_N,c_T$) Plan as Attribute Plan Indexed through MAPD and IQL**’, *Research Journal of Mathematical & Statistical Sciences*, Vol.1(1), Feb 2013, pp. 1- 4.
42. SAMPATH KUMAR, R., INDRA, M. AND RADHAKRISHNAN, R. (2013). ‘**Selection of Mixed Sampling Plans with QSS- 3($n;c_N,c_T$) Plan as Attribute Plan Indexed through MAPD and LQL**’, *International Journal of Research in Computer application & Management*, Vol.3(1), Issue .No.1, Jan 2013, pp. 1- 4.
43. SAMPATH KUMAR, R., INDRA, M. AND RADHAKRISHNAN, R. (2013). ‘**Selection of Mixed Sampling Plans with QSS-2($n;c_N,c_T$) Plan as Attribute Plan Indexed through MAPD and AQL**’, *International Journal of Trends in Mathematics and Statistics*, Vol.1, No.1, April 2013.
44. SAMPATH KUMAR, R., SUMITHRA, S. AND RADHAKRISHNAN, R. (2014). ‘Selection of Mixed Sampling Plan with Tightened CSP-2($k=i$) Plan as Attribute Plan Indexed through MAPD and MAAOQ’, *Intercontinental Journal of Human Resource Research Review*, Vol. 2, Issue 2, pp. 179-183.
45. SAMPATH KUMAR, R., SUMITHRA, S., AND RADHAKRISHNAN, R. (2016). Construction of Mixed Sampling Plan with Conditional Double Sampling plan as attribute plan using MAPD and Discriminant tangential angles’, *International Journal for Multidisciplinary Studies*, Vol. 2, Issue 1, pp. 1-14.

APPENDIX – B

E. Seminars, Conferences, Symposia, Workshops etc. attended / organized:

S. No	Seminar / Workshop	Date	Institution
1	Optimization Techniques in Operations Research	August 23, 2005	P.S.G.R.Krishnammal College for Women, Coimbatore
2	Challenges of 21 st Century in Mathematics and its Allied Topics	September 15-16, 2005	Nirmala College for Women, Coimbatore
3	International Conference on Business Economics and Finance (ICBEF 2005)	September 29-30, 2005	Adaikalamatha College, Vallam, Thanjavur
4	Recent trends in Applied Mathematics	October 15-16, 2005	Gobi Arts & Science College, Gobichettipalayam, Erode
5	Statistics – A Lead to the facts	February 13-14, 2005	Loyola College (Autonomous), Chennai
6	Statistical Models and Methods for Data Analysis (NSSMMDA-2006)-Recent Developments	March 8-9, 2006.	Annamalai University, Chidambaram
7	Stochastic Process Modeling, Distribution Theory and Order Statistics	March 16-18, 2006	Kerala University, Trivandram
8	Frontiers in Applied Statistics & Computer Applications 2007	January 29-30, 2007	Bharathiar University Coimbatore
9	Training on SPSS	August 29-31, 2007	Everon Systems, Coimbatore
10	National seminar on Recent Advances in Statistics & Analysis of Non-Conventional Data	March 15-17, 2008	Farook College, Kozhikode, Kerala
11	Workshop on Latex	February 1, 2009	CMS College of Science & Commerce, Coimbatore
12	National Conference on Quality Improvement Concepts and their implementation in higher Educational Institutions	December 11-12, 2009	Amrita Vishwa Vidyapeetham University, Coimbatore
13	Recent Advances in Statistics and Computer Applications	December 21-23, 2010	Bharathiar University, Coimbatore
14	Organized a UGC sponsored National level seminar on “Recent Developments in Statistical Models and Methods” [RDSMM – 2014]	August 27 -28, 2014	Government Arts College, Coimbatore -18

S. No	Refresher / Orientation Courses	Date	Institution
1	Orientation Course	14.09.2005 – 23.09.2005	Avinashilingam Institute for Home Science and Higher Education for Women-Deemed University, Training and Orientation Centre, National Service Scheme, Coimbatore
2	Orientation Course	09.07.2009 – 05.08.2009	UGC-Academic Staff College, University of Madras, Chennai
3	Refresher Course	09.11.2011 – 29.11.2011	UGC-Academic Staff College, Bharathiar University, Coimbatore
4	Refresher Course	06.11.2014 – 26.11.2014	UGC-Academic Staff College, Bharathiar University, Coimbatore
5	Refresher Course	04-12-2019 – 17-12-2019	UGC-Academic Staff College, Bharathiar University, Coimbatore

APPENDIX – C

Ph.D., (Statistics)

S.No	Name of the Scholar	Name of the University	FT/PT	Year of Registration	Year of award of Ph.D	Pursuing / Completed / Awaiting for Viva
1.	R. Vijayakumar	Bharathiar	PT	2010	2015	Completed
2.	M. Indra	Bharathiar	PT	2010	2016	Completed
3.	R. Sumithra	Bharathiar	PT	2010	2017	Completed
4.	R. Kiruthika	Bharathiar	PT	2010	2018	Completed