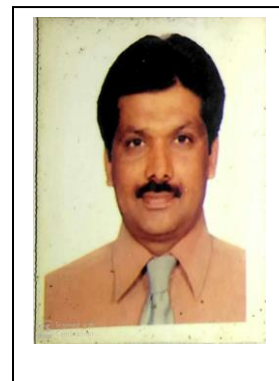


**Government Arts college (Autonomous), Coimbatore –18**  
**Performance - Teacher Appraisal Report**



**i) General Information**

- a) Name : **Dr. P.K.SIVAKUMARAN**
- b) Address (Residential) : 4/664, Karaikadu Thottam, Iruttuppallam,  
Nallur Vayal (PO), Coimbatore-641 114  
Phone: 9994455755
- c) Designation : Associate Professor
- d) Department : Statistics
- e) Date of Birth : 11-06-1969
- f) Area of Specialization : Statistical Quality Control, Six-Sigma, Queuing Theory

**A) Academic Qualifications**

<b>Examination passed</b>	<b>Board / university</b>	<b>Subject</b>	<b>Year</b>	<b>Division grade/merit etc.,</b>
High School	Board of Secondary School	Tamil, English, Mathematics, Science, History & Geography	1985	First Class
Higher Secondary or Pre-degree	Board of Higher Secondary Education	Tamil, English, Mathematics, Physics, Chemistry, Biology	1987	First Class
BSc	Bharathiar University,	Mathematics	1991	Second Class
MSc	Bharathiar University,	Statistics	1993	First Class
MPhil	Bharathiar University,	Statistics	2003	-
PhD	Bharathiar University,	Statistics	2010	-
PGDCA	Bharathiar University,	-	2005	First Class
MBA	Bharathiar University,	Information Systems	2009	First Class

**ii) Research Experience & Training**

<b>Research stage</b>	<b>Title of thesis</b>	<b>University where the work was carried out.</b>
M. Phil.	A study on Attribute Quick Switching System	Bharathiar University Coimbatore-46
Ph. D.	Contribution to the Construction of Attribute Sampling Plans indexed through Six Sigma Quality Levels	Bharathiar University Coimbatore-46
No of Publications	16	
Publications (Give a list separately)	Please refer <b>Appendix A</b>	
Training(please specify)	Please refer <b>Appendix B</b>	
Research Guidance (MPhil and PhD)	Please refer <b>Appendix C</b>	

**B) Research Projects carried out**

<b>S. No.</b>	<b>Title of the Project</b>	<b>Name of the Funding Agency</b>	<b>Duration</b>	<b>Remarks</b>
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**C) Seminars, Conferences, Symposia Workshops etc. attended**

<b>Name of the Seminars / Conferences / Symposia / Workshops etc</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
<b>Please</b>	<b>refer</b>	<b>Appendix D</b>

**iii) Teaching Experience**

<b>Name of University/ College/Institution</b>	<b>Designation</b>	<b>Duration</b>		<b>Years of Experience</b>		
		<b>From</b>	<b>To</b>	<b>Years</b>	<b>Months</b>	<b>Days</b>
PSG College of Arts and Science, Coimbatore –14	Lecturer	09-01- 2003	25-02-2011	08	01	18
Government Arts College, Coimbatore-18	Assistant Professor	26- 02-2011	27.02.2023	12	-	-
Government Arts College, Coimbatore-18	Associate Professor	28.02.2023	Till Date	-	05	22

**Total Teaching Experience (in years and months) :**

a)	Under-graduate	20 Years 7 months
b)	Post-graduate	20 Years 7 months
c)	Research	12 Years

**viii) Innovations/ Contributions in Teaching**

a) Design of Curriculum :	Designed syllabus for B.Sc, M.Sc. statistics and Allied Statistics Courses. Also a board of studies member for MSc Statistics course of affiliated colleges under Bharathiar University.
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 books 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 centre.

**IX) Research Contribution****a). PhD undergoing scholars**

Sl. No	Name of the PhD/ (PT) Scholars	Name of the University	Broad Field	Registration Number	Year of registration
1	N. MANI	Bharathiar University	Statistical Quality Control	22714/B5/2019	2019
2	T. KANNESWARI	Bharathiar University	Statistical Quality Control	CRE/STA 21PDEC1606/2022	2021

**b). M.Phil Awarded**

Sl.No	Name of M.Phil (FT) scholar	Name of the University	Title of the thesis	Year of registration of the scholar	Year of award of MPhil
1	T.Kiruthika	Bharathiar University	A Study on Attribute Sampling Plans Indexed through Six Sigma Quality Levels	2018	2020

**X) Extension Work/ Community Service**

A) Please give a short account of your contribution to:

i) Community work:

Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

Encourage my students to create awareness among the people about rain water harvest, need for small family, danger due to environmental degradation, etc.

Also encourage my students to make their due contribution in all aspects.

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 National Service Scheme (NSS), or NCC or any other similar activity

i) Chairman, Central Valuation, Board of Statistics- PSGCAS, Coimbatore-14

ii) Dept.HOD Incharge- PSGCAS. (Un-Aided –Statistics), Coimbatore-14

iii). Caretaker, 1/4(TN) Battalion NCC, PSGCAS, 2008-2011

iv). Class Tutor ( UG & PG Statistics), GAC, Coimbatore-18

v). Member- Passing Board, PSG CAS, Coimbatore-14

B) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity

**C). Participation in Corporate Life**

Please give a short account 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 (Hostels, sports, games, cultural activities)	Helping / assisting / guiding the Principal HOD, Colleagues and Students to enrich the campus life
d) Students Welfare and Discipline	i) Periodical counselling to the students Their Parents and family members in the Guidance and Counselling center. ii) Students canteen discipline committee member.
e) Membership / Participation in Bodies	i) Member – Board of Studies, Syllabus framing, external and internal examiner in Theory and Practical. ii) Panel Member and subject expert of Statistics for Staff Selection- Sri Sarada College for Women, Salem. iii) Official Statistician- Masonic Hospital, Coimbatore.
f) Professional Organization of Teachers	-----

D).(a) Membership of Professional Bodies, Societies, Editorship of Journals etc.- Nil

E). Any other information : ----

(Signature of the Teacher)

## APPENDIX – A:

### LIST OF PUBLICATIONS IN JOURNALS

1. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2008).** ‘Construction and Selection of Six Sigma Sampling Plan indexed through Six Sigma Quality Level’, *International Journal of Statistics and Systems*, Vol.3, No.2, pp.153-159.
2. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2008).** ‘Construction of Six Sigma Repetitive Group Sampling Plans’, *International Journal of Mathematics and Computation*, November 2008, Vol.1, No.N08, pp.75-83.
3. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2008).** ‘Construction and Selection of Conditional Double Sampling Plan indexed through Six Sigma Quality Levels’, *Sri Lankan Journal of Applied Statistics*, Vol.9, 74-83.
4. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2009).** ‘Construction of Tightened-Normal-Tightened Schemes indexed through Six Sigma Quality Levels’, *International Journal of Advanced Operations Management*.
5. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2009).** ‘Construction and Selection of Six Sigma based Link Sampling Plans’, (*ProbStat Forum- E-Journal*)
6. **SIVAKUMARAN P.K AND MANI N (2020).** Selection of Modified Quick Switching System (N, Kn, C<sub>0</sub>) Indexed Through Six Sigma Quality Level, *Shodh Sarita*, Vol. 7, Issue 27, July-September, 2020, Page Nos. 253-257.
7. **SIVAKUMARAN P.K AND MANI N (2021).** Construction and selection of six sigma based quick switching Systems-qss-3(n, kn, c<sub>0</sub>), *Wesleyan Journal of Research*, Vol.14 No1(XXXV), pp. 40-44.
8. **SIVAKUMARAN P.K AND MANI N (2023).** Contribution to Six Sigma Based Control Chart with Single Server Queuing Model, *Journal Of Optoelectronics Laser*, Volume 42 Issue 3.pp.887-893.
9. **SIVAKUMARAN P.K AND MANI N(2023),** ‘Six Sigma Based Control Chart for Single Server, Infinite Capacity Markovian Queuing Model using Process Capability’, *Bulletin of Mathematics and Statistics Research*, ISSN:2348-0580, Vol.11, Issue-2, 2023(April-June)

### BOOKS PUBLISHED

10. **Chapter 11-** ‘*Construction of Six Sigma Double Sampling Plans*’, pp.103-110, in the **IT and Business Intelligence (ITBI-08)**, Edited by R.K. Jena published by Excel Books, New Delhi.
11. ‘*Construction of Chain Sampling Plans based on Six Sigma Quality Levels*’ in the **International Marketing in Asia Pacific – Issues and Challenges.**
12. **KARUNYA N, , MANI N, DR P K SIVAKUMARAN (2022),** ‘An Overview Of Risks & Risk Management Implementation In Insurance Companies In India’, *Insurance and Risk Management – Impact and Development in Post Pandemic Regime*, Multi Spectrum publications, First Edition.

### PROCEEDINGS

13. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2009).** ‘Construction of Six Sigma Double Sampling Plans’, *Proceedings volume of National Seminar “IT and Business Intelligence (ITBI-08)”*, Nagpur, India, pp-103-110

14. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2009).** ‘Construction of Double Sampling Plans through Six Sigma Quality Levels’, *Proceedings of the IEEE Second International Joint Conference on Computational Sciences and Optimization (IEEECSO2009)*, Sanya, Hainan, April 24-26, China, pp-1027-1030.
15. **RADHAKRISHNAN, R. AND SIVAKUMARAN, P.K. (2010).** ‘Construction and Selection of Tightened-Normal-Tightened Schemes of Type TNT-( $n_1, n_2; c$ ) indexed through Six Sigma Quality Levels’, in the ‘International Conference on Industrial Engineering and Operations Management Dhaka, Bangladesh, January 9 – 10, 2010.
16. **KAVIN M, MANI N AND SIVAKUMARAN P.K.** ‘Statistical Analysis to check the Quality of the Production Process Using Control Charts- A Case Study’ *Industrial Engineering Journal* ISSN: 0970-2555 Volume : 52, Issue 4, No. 6, April : 2023.

### APPENDIX – B

#### TRAINING:

S.No	Refresher / Orientation Courses	Date	Institution
1.	Orientation Course	04.05.2011 - 03.06.2011	UGC-Academic Staff College, University of Madras, Chennai
2.	Refresher Course	19.11.2013 - 09.12.2013	UGC-Academic Staff College, Bharathiar University, Coimbatore
3.	Refresher Course	15.09.2016 - 05.10.2016	UGC-Academic Staff College, Bharathiar University, Coimbatore
4.	Refresher Course	20.07.2021 - 03.08.2021	Ramanujan College, Delhi University
5.	Refresher Course	07.12.2022 - 21.12.2022	Ramanujan College, Delhi University

### APPENDIX – C

#### RESEARCH GUIDANCE PhD (STATISTICS)

S.No.	Name of the Scholar	Year	FT/PT	University	Pursuing/ Completed/ Awaiting for Viva
1.	N. Mani	2019	PT	Bharathiar University	Pursuing
2.	T.Kanneswari	2021	PT	Bharathiar University	Pursuing

**APPENDIX – D****SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS ETC. ATTENDED:**

<b>S. No</b>	<b>Seminar / Workshop</b>	<b>Date</b>	<b>Institution</b>
1	International conference on Operations Research for a growing Nation	December 15- 17, 2008	Sri Venkateswara University, Tirupathi, Andhra Pradesh.
2	International seminar on Recent trends in Global Business order- Impact in Asia	January 30-31, 2009	Vivekanandha Institute of Information and Management studies, Tiruchengode,
3	International Conference on Business Economics and Finance (ICBEF 2005)	September 29-30, 2005	Adaikalamatha College, Vallam, Thanjavur
4	International conference on International Marketing in Asia Pacific – Issues and Challenges	November 4-5, 2009	Residency Hotel, Organized by Dr GRD School of Commerce and International Business, Coimbatore, Tamil Nadu
5	International Conference on Industrial Engineering and Operations anagement	January 9 – 10, 2010	Dhaka, Bangladesh
6	National Seminar on ‘Frontiers in Applied Statistics and Computer Applications (FASCA-07)’,	January 29-30, 2007	Bharathiar University Coimbatore
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	Work shop on Latex	February1, 2009	CMS College of Science & Commerce
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	Participated in the UGC sponsored National level seminar on “Recent Developments in Statistical Models and Methods” [RDSMM – 2014]	August 27 -28, 2014	Government Arts College, Coimbatore -18
15	Online Webinar on Statistics for data Analytics	19-06-2020	KPR Institute of Engineering and Technology, Arasur, Coimbatore.
16	Online quiz on Data Management using SPSS	June 21-25,2020	St. Joseph College, Tiruchy.

17	FDP on 'Funding opportunities for research projects'	24-06-2020	IQAC, Periyar EVR College, Tiruchy
18	Six days FDP on Mathematics and Statistics in Emerging Field	July 05-10, 2021	KPR Institute of Engineering and Technology, Coimbatore.
19	10 days FIP online short term course on Biostatistics and R Programming	August 09-19, 2021	RVS College of Arts and Science, Coimbatore.
20	Six days national level FDP on Digital Teaching methods in Higher Education	August 23-28, 2021	Department of Commerce (CA), Hindustan College of Arts and Science, Coimbatore.
21	One week FDP on Software tools for Mathematical Education	August 30-Sep 05,	Department of Mathematics, Bannariamman Institute of Technology, Sathyamangalam and Providence College for women, Coonoor.
22	One week international FDP on Research Excellence and Academic Development	September 01-08, 2021	Department of Commerce (PA), Sri Ramakrishna College of Arts and Science, Coimbatore.
23	Workshop in Algebra and Analysis	February 02, 2022	PG & Research Department of Mathematics, Sri Ramakrishna College of Arts and Science, Coimbatore.