

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

i) General Information

- a) Name : **Dr. P. SUGUNA**
- b) Address (Residential) : 90, Maheswari Nagar Street No. 4,
Thaneerpandal
Road, Vilankurichi
Coimbatore-641 004
- Mobile No : 9842463461
- c) Designation : Associate Professor
- d) Department : Mathematics
- e) Date of Birth : 17.02.1969
- f) Area of Specialization : GRAPH THEORY & OPERATIONS RESEARCH



A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	Tamil, English, Maths, Science, History & Geography	Board of Secondary Education		I Class
Higher Secondary or Pre-degree	Maths, Physics, Chemistry, Biology	Board of Higher Secondary Education		I Class
Bachelor's Degree (s)	B.Sc.-Mathematics	Bharathiar University	1989	I Class
Master's Degree (s)	M.Sc.-Mathematics	Avinashilingam Deemed University	1991	I Class with Distinction

Research Degree	M.Phil.,	Mathematics	Avinashilingam Deemed University	1992	I Class
	Ph.D	Mathematics	Bharathiar University	2014	
Other Diploma/ Certificates etc.,	B.Ed	Mathematics	Annamalai University	1994	
	M.B.A	Business Administration	Annamalai University	1998	
	M.C.A	Computer Applications	Bharathidasan University	2002	

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil. or Equivalent	A Queuing Theory approach for Bulk arrival	Avinashilingam Deemed University
Ph. D.	A link between probabilistic finite state Automata and Hidden Markov model	Bharathiar University
Post-Doctoral	NIL	
Publications (give a list separately)	Please refer Appendix - A	
Research Guidance (give names of students guided successfully)		
Training (please specify)	Refresher Course	Bharathiar University

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks

C) Seminars, Conferences, Symposia Workshops etc. attended (If necessary give a separate list)

Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
Please refer Appendix - B		

iii) Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.)	Park's College, Tirupur	Aug. 1994 – April 1996
	Tamilnadu College of Engineering, Coimbatore	Sep. 1996 – Jan. 1997
	KGiSL – IIM	May.2007 – Dec 2007
	Government Arts College, CBE-18	Dec2007 – Till date
v) PG (MA / M.Sc., etc.)	RVS College of Arts & Science, Coimbatore	June 1997 – Aug. 2004
vi) M. Phil.		
vii) Any other	MES Indian School, Doha	Sep. 2004 – Nov. 2005
	LRG Creative Teaching College, Coimbatore.	May.2006- Jan.2007

Total Teaching Experience (in years and months): 21 Years 02 Months

a) Under-graduate (Pass) : 14 Years

b) Under-graduate (Hons.) :

c) Post-graduate : 07 Years 02 Months

viii) Innovations/ Contributions in Teaching (If necessary give a separate list)

a) Design of Curriculum :	
b) Teaching methods :	
c) Laboratory experiments :	
d) Evaluation methods :	
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	
f) Remedial Teaching / Student Counseling (academic) :	Soft Skill Trainer and Trainer in Creative Teaching
g) Any other :	

ix) Extension Work/ Community Service(If necessary give a separate list)

a) TRAINING AND WORKSHOPS CONDUCTED

- 1) Saink School, Bijapur, Karnataka on May 5th 2006.
Topic : Multimedia a kit to prepare teaching aids.
- 2) Venkataraj Matriculation School, Sultanpet on April 18th
2007 Topics: Communication Skills, Creativity, Value
Education.
- 3) RVS Matriculation Higher Secondary School, Sulur on
June 30th 2007.
Topic : Creativity.
- 4) Little Kingdom School, Tirupur on July 7th
2007. Topic : Counseling, Class Room
management.
- 5) Sree Saraswathi Thyagaraja College, Pollachi on Jan 9th
2010. Topic : Automata Theroy
- 6) Sree Narayana Guru College,
CBE Topic: Life Skills.
- 7) UGC sponsored training programme. Govt Arts College, CBE-18, 2011, Jan 18th – Jan
29th.
Topic: Soft Skills Training
- 8) Tiruppur Kumaran College, 2nd Feb
2012 Topic: Placement Training.

9) Avinashilingam Deemed University, 3rd Feb 2012 for NSS Officers. Topic: Life Skills for Employability

10) Ramakrishna College for Women, CBE, 8th Feb 2012

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

D. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	Research oriented teaching to impart quality education and skill development on sound lines. Running a service unit (Soft Skills Development & Placement Centre) in our college. Conducting Faculty Development Programs for School Teachers
b) Co-curricular Activities	Trained 700 students in soft skills (since 2010 Aug 3 rd – till date) and placed them in various companies. Training next batch of 40 students in soft skills.
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	
d) Students Welfare and Discipline	
e) Membership / Participation in Bodies / Committees on Education and National Development	Member of Board of Studies in VLB Janakiammal College of Arts and Science
f) Professional Organization of Teachers	

E.

(a) Membership of Professional Bodies, Societies etc.

(b) Editorship of Journals

F. Any other information

(Signature of the Teacher)

Appendix - A

List of Publications

S.No	Title of the Paper	Publication/ Conference (I/N)
1	Optimization of A Hidden Markov Model Using Gains Construction Of Probabilistic Finite State Automata.	International Conference On Mathematics And Computer Science, July 25-26, 2008, Loyola College, Chennai, India
2	Hidden Markov Model for System Behavior	UGC Sponsored National Seminar on Mathematical Modelling & Optimization Techniques, Dec. 12, 2008, Udumalpet, India.
3	Construction of Hidden Markov Model Using Probabilistic Finite State Automata	UGC Sponsored National Conference on Computational Methods in Continuum Mechanics, Mar 18-19, 2009, Coimbatore, India.
4	Hidden Markov Model for System Trend Analysis	Advances in Computational Sciences & Technology, vol. 1, No. 1, pp. 1 – 10, 2009.
5	An Application of Baum Welch Algorithm In An Optimized Hidden Markov Model	International Conference on Mathematical and Computational Models, PSG College of Technology, Dec 21-23, 2009, Coimbatore, India.
6	Sequence Similarity Using Gains Hidden Markov Model for Failure Prediction	International Journal Conference in Computer Science (CS), CEE 2009. International Journal of Recent Trends in Engineering [ISSN: 1797-9617] by the Academy Publishers, Finland.
7	Some Characteristics of k-step transition probabilities of Markovian process	Scientia Magna , Vol 6, No 1 2010, pp 72-80..
8	A Note on ambiguous Probabilistic Deterministic Finite State Automata	International Congress of Mathematicians, 19-27 August 2010, Hyderabad.
9	A Note on ambiguous Probabilistic Finite State Automata	Scientia Magna , Vol 6, No 4 2010, pp 58-64.
10	Gaine's Hidden Markov Model and Minimum Message Length Estimator	Advances in Theoretical and Applied Mathematics, Research India Publications, Vol 6, No 2 (2011), pp 183-190.
11	Optimization of Hidden Markov Model using Minimum Message Length Estimator	Advancing Biology Based Sciences through Mathematics,

		ICMCB 2011, April 12- 14, Malaysia.
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Appendix – B

C) Seminars, Conferences, Symposia Workshops etc. attended

- 1) State level Conference on ‘Mathematics in Computers’ at PSG College of Arts & Science, Coimbatore during March 21 – March 22, 2000.
- 2) Short term course on ‘New approaches to Resource Management’ at Anna University, Chennai during May 29 – June 10, 2000.
- 3) State level symposium on ‘Emerging Trends in Networking’ at Sri Ramakrishna College of Arts & Science for Women, Coimbatore during February 17, 2003.
- 4) Seminar on ‘Recent Trends in Mathematics and its applications’ at Avinashilingam Institute, Coimbatore during March 13, 2003.
- 5) Annual Conference on ‘Qatar Mathematics and Science Teachers’ Association’ at Doha College, Qatar during February 28, 2005.
- 6) Professional Development Workshop on Mathematics and Science Assessment at Brila Public School, Qatar during September 10, 2005.
- 7) Creative Teaching Workshop at International Academy for Creative Teaching (iACT), Bangalore during 15-18th May 2006.
- 8) Teacher Development Programme at Cambridge University Press, Salem on 12th January 2007.