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

i) General Information

a) Name: **N.JAYANTHI**

b) Address (Residential): **101, Tower-1, Coconut Grove Apartment,**
Singanallur,
Coimbatore-641005
Mobile No.: 9894280271

c) Designation: **Associate Professor**

d) Department: **Mathematics**

e) Date of Birth: **31.12.1970**

f)Area of Specialization: **Operator Theory**

A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	Tamil, English, Mathematics, Science, History&Geography	**S.S.L.C** Board of Secondary Education	1986	89% **I class** with distinction
Higher Secondary or Pre-degree	Tamil, English, Mathematics, Physics, Chemistry and Home Science	**H.Sc** Board of Higher secondary Education	1988	87% **I class** with distinction
Bachelor's Degree (s)	**B.Sc** University of Madras	Mathematics	1991	96% **I class** with distinction
Master's Degree (s)	**M.Sc** University of Madras	Mathematics	1993	93% **I class** with distinction

Research Degree (s)	**M.Phil** Madurai Kamaraj University	Mathematics	1997	72% **I class**
	Ph.D	Mathematics	2014	
Other Diploma/ Certificates etc.	**UGC/ CSIR NET Exam**	Mathematical sciences	1994	

ii) Research Experience & Training

Research Stage	**Title of work / Thesis**	**University where the work was carried out**
M. Phil. or Equivalent	----	Madurai Kamaraj University
Ph. D.	NEW CLASSES OF OPERATORS SATISFYING WEYL'S AND WEYL TYPE THEOREMS	Bharathiar University
Post-Doctoral	----	
Publications (give a list separately)	Please refer appendix A	
Research Guidance (give names of students guided successfully)	Please refer appendix B	
Training (please specify)	---	

B)Research Projects carried out

S. No.	**Title of the Project**	**Name of the Funding Agency**	**Duration**	**Remarks**
1.	Study on Operators satisfying Weyl's and other Weyl type Theorems	UGC	01-11-2013 to 31-12-2015	Completed Successfully

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
National Conference on Operator Theory	UGC	Coimbatore , 28th Feb and 1st March2007
National Conference on Applications of Fuzzy sets and Fuzzy Logic	UGC	Coimbatore , October 22 &23, 2008
State level workshop on LaTeX Document preparation		Coimbatore, 28th September, 2007
National Conference on computational methods in continuum mechanics	UGC	Coimbatore, March 18&19, 2009
National Seminar on Mathematical computation	Tamilnadu State council for Higher Education	Coimbatore, March 28, 2011
National conference on Dynamical Systems and Chaos	NBHM, INSA &CSIR	COIMBATORE, September 11-13, 2017
National Conference on Recent Developments in Mathematics		Coimbatore, February 21 &22, 2019

iii) Teaching Experience

Courses Taught	Name of the University / College / Intuition	Duration
i) **U.G** (B.A.,/B.Sc.,etc.,Pass)	1) N.K.R Govt Arts College for Women, Namakkal 2) Govt Arts College for Women, Salem.8 3) Govt Arts College, Coimbatore.18	16.10.98 to 4.7.2001 5.7.2001 to 11.7.2006 12.7.2006 to till date
ii) **PG** (M.A.,/M.Sc.,etc.)	1) Govt Arts College for Women, Salem.8 2) Govt Arts College, Coimbatore.18	5.7.2001 to 11.7.2006 12.7.2006 to till date

iii) M.Phil	Govt Arts College, Coimbatore.18	12.7.2006 to till date
iv) Any other	----	

Total Teaching Experience (in years and months):

a) Under-graduate (Pass) : 21 years

b) Under-graduate (Hons.) : ---

c) Post-graduate : 18 years

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

a) Design of Curriculum :	Designed syllabus for B.Sc., M.Sc., (Mathematics) Courses
b) Teaching methods :	Lecturing, explaining using blackboard & OHP, seminars, Teaching through A/V aids.
c) Laboratory experiments :	Conducted C and C++ Labs for M.Sc Applied Mathematics while working in GAC, salem.8
d) Evaluation methods :	Tests, Assignments, seminars, 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, Newspapers
f) Remedial Teaching / Student Counseling (academic) :	Ward meeting is conducted periodically to counsel the students in both Academic and social
g) Any other :	----

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

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

(i) Community work such as values of Creating awareness about the basic

National integeration, secularism, Democracy, socialism, humanism, Peace, scientific temper, flood or Drought relief, small family norms etc.	values, Interpersonal skills, social skills and Prosocial behavior among students and members in the community.
ii)National Literacy Mission	---
b) Positions held/Leadership role played in organisations linked with Extension Work and National Service Scheme (NSS) or (NCC) or any other similar activity	: Member of Sports committee from 2002-2006 NSS coordinator from 2007- 09

D. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	1)Admission Work 2)Incharge of Department Library from 2002 – 06 in Govt Arts college, Salem.8. 3)Incharge of Department Library from 2012-14 in Govt Arts college, Coimbatore. 3) Written study materials for correspondence courses for UG to Periyar University and 4)Written two books Real analysis and Functional Analysis for M.Sc Maths Distance Education Program, Bharathiar University, Coimbatore.
b) Co-curricular Activities	----
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Helping/assisting HOD, Colleagues and students to enrich the campus life.
d) Students Welfare and Discipline	Periodical counseling to the students
e) Membership / Participation in Bodies / Committees on Education and National Development	Member of Board of Studies of Sri Sarada College for Women, Salem.16, from 1999- 2005 and 2018 onwards
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

INTERNATIONAL PUBLICATIONS

1. Weyl's theorem and Tensor Product for Class A_k operators, Pure Mathematical Sciences, Vol 1,2012, No.1, 13-23.
2. Weyl's theorem and Tensor Product for Quasi Class A_k operators, Pure Mathematical Sciences, Vol 1,2012, No.1, 33-41.
3. Weyl's theorem and Tensor Product for m-quasi Class A_k operators, Scientia Magna vol 7, No.2(2011), 1-10.
4. Composition operators of k-paranormal operators, Scientia Magna vol 7, No.1 (2011), 69-73.
5. Operators satisfying the condition $\left\|T^{2+k}x\right\|^{1/(1+k)}\left\|Tx\right\|^{k/(1+k)} \geq \left\|T^{2}x\right\|$, Scientia Magna vol 7, No.2 (2011), 32-38.
6. Weyl and Weyl type theorems for k- paranormal and algebraically k-paranormal operators, International journal of Mathematical Analysis, vol.6 (40) (2012),1953-1964.
7. Weyl and Weyl type theorems for m-quasi k-paranormal operators and algebraically m-quasi k-paranormal operators,International journal of Mathematical Analysis,vol.6 (54) (2012), 2695- 2707
8. Generalised Weyl and Weyl type theorems for algebraically k^* paranormal operators, Scientia Magna, vol 8, No.1(2012), 111-121.
9. Spectral properties of class A_k and algebraically class A_k operators, International Journal of functional Analysis, Operator theory and Applications, vol 4(2) (2012), 109-124
10. Generalised Weyl and Weyl type theorems for algebraically m-quasi class A_k operators,International journal of Mathematical Sciences & Applications, vol.2(2) (2012), 781-791
11. Generalised Weyl and Weyl type theorems for algebraically quasi class A_k operators,International journal of Mathematical Sciences & Applications, vol.2(2), (2012), 581-591.
12. Weyl and Weyl type theorems for class A_k^* and quasi class A_k^* operators,International journal of Mathematical Analysis, vol.7(14) (2013), 683-698.

13. Weyl's and Weyl type theorems for m-quasi k^* -paranormal operators and algebraically m-quasi k^* -paranormal operators,International journal of Mathematical Sciences & Applications, vol.5(2) (2015), 347-356.
14. Weyl's theorem and Property*(Saw)*, International journal of Mathematical Analysis, vol.12(9) (2018), 433-437.

APPENDIX - B

Research Guidance (give names of students guided successfully):

M.Phil (Mathematics)

S.No	Name	Year	FT/PT	University	Status
1	V.NIRMALA	2008	FT	Bharathiar	Completed
2	C.UMAMAHESWARI	2010	PT	Bharathiar	Completed
3	S.CHANDRALEKA	2010	FT	Bharathiar	Completed
4	S.PARAMESH	2011	FT	Bharathiar	Completed
5	P.JAYA	2011	FT	Bharathiar	Completed
6	S.SURYA	2012	PT	Bharathiar	Completed
7	K.SEENUVASAN	2012	FT	Bharathiar	Completed
8	M.SATHEESH	2012	FT	Bharathiar	Completed
9	S.POORNIMA	2014	FT	Bharathiar	Completed
10	M.MANIMOZHI	2015	FT	Bharathiar	Completed
11	G.POONGOTHI	2015	PT	Bharathiar	Pursuing
12	N.GAYATHRI	2015	PT	Bharathiar	Pursuing
13	P.VASANTHAKUMAR	2017	FT	Bharathiar	Completed