



**A.V.V.M. SRI PUSHPAM COLLEGE
(AUTONOMOUS),**

POONDI – 613503, THANJAVUR – DT.



1. Name of the Staff : **Dr. R. Sangeetha**
 2. Designation : **Assistant Prof. of Mathematics**
 3. Academic Qualification : **M.Sc., M.Phil., Ph.D.**

Course	UG	PG	M.PHIL.	PH.D.
Year	2000	2002	2003	2013
College & University	Kunthavai Naachiyar Govt. Arts College, Thanjavur.	Department of Mathematics, Bharathidasan University, Tiruchirappalli.	DDE, Madurai Kamaraj University, Madurai.	Department of Mathematics, Periyar University, Salem.

4. Date of Birth & Age : **27.09.1980, 38 Yrs**

5. Date of Appointment : Self – Finance :

D	D	M	M	Y	Y	Y	Y
2	9	1	0	2	0	0	2

 FIP :

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 Aided :

2	7	1	1	2	0	1	3
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6. Total Service : 11 Years

7. Teaching Experience in completed years : UG **11 yrs** PG **11 Yrs** M.Phil. **5 yrs**

8. Residential Address : 11/346, Subedhar Lane, Edaiyar Street, Maharonbu Chavady, Thanjavur – 613 001.

Mobile Number : 98431 40211

E-Mail Address : jaisangmaths@yahoo.com

9. No. of Orientation / Refresher Courses and Training Programmes attended : Orientation Course – 1
 Refresher Course – 1 Annexure – I

10. Whether FIP availed, if yes, furnish details : Nil

11. No. of Seminars attended : 25 Annexure – II

12. No. of Papers Presented : 05 Annexure – III

13. No. of Papers Published : 05 Annexure – IV

14. No. of Book chapter Published : Nil

15. No. of Guest Lectures delivered in other institutions : 08 Annexure – V

16. No. of Research Projects undertaken : Minor **01** Major --- Others (Specify) --- Annexure – VI

17. No. of Seminars organised : **Nil**

18. No. of. M.Phil. Scholars Guided : Completed **18** Ongoing **04** Annexure –VII

19. No. of. Ph.D. Scholars Guided : Awarded - Ongoing **04** Annexure – VIII

20. Participation in Academic Research Bodies in other institutions : 01 Annexure – IX

21. Service rendered in academic / Extra Curricular/ Extension activities within the College other than teaching : 02 Annexure – X

22. Service rendered in Professional bodies outside the College : 02 Annexure – XI

23. Honours / Awards received : 02 Annexure – XII

Signature of the Staff

ANNEXURE – I**DETAILS OF ORIENTATION, REFRESHER COURSES AND TRAINING PROGRAMMES ATTENDED:**

SL. NO.	COURSE	UNIVERSITY	PERIOD	TITLE
1.	Orientation Programme	Madras University, Chennai	14.05.2015 to 10.06.2015	---
2.	Refresher Course	Sri Venkateswara University, Tirupati	23.10.2017 to 11.11.2017	Refresher Course in Mathematics

ANNEXURE – II**SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC ATTENDED**

Sl. No.	Title of the Seminars/Conferences, Symposia, Workshops	Level (State / National / International)	Sponsoring Agency and Name of the Institution	Date
1	Discrete Analysis	National Level	PSGR Krishnammal College for Women, Coimbatore.	01.03.2002
2	Recent Trend of Research in Mathematics and its Applications.	State Level	A.V.V.M. Sri Pushpam College, Poondi, Thanjavur District.	01.02.2003 to 02.02.2003
3	National Conference on Analysis and Graph Theory	National Level	Bharathidasan University, Tiruchirappalli.	09.03.2007 & 10.03.2007
4	International Conference On Recent Developments Combinatorics and Graph Theory	International Level	n-CARDMATH Center, Kalasalingam University, Virudhunagar District.	10.06.2007 to 14.06.2007
5	Access to e-Resources and Digital Library Consortium	State Level	Bharathidasan University, Tiruchirappalli.	01.08.2008 & 02.08.2008
6	International Conference On Graph Theory And Its Applications	International	Amritha University, Coimbatore.	11.12.2008 to 13.12.2008
7	Two day State Level Workshop on SPSS Package	State Level	Cauvery College for Women, Tiruchirappalli.	03.04.2009 & 04.04.2009
8	Fifth Annual Instructional Conference of ADMA and Graph Theory Day V	National Level	Periyar University, Salem.	08.06.2009 to 10.06.2009
9	Platinum Jubilee 75 th Annual Conference of the Indian Mathematical Society	National Level	n-CARDMATH Center, Kalasalingam University, Virudhunagar District.	27.12.2009 to 30.12.2009
10	Instructional Workshop on Algebraic Graph Theory	National Level	Manonmaniam Sundharanar University, Tirunelveli.	17.03.2010 to 20.03.2010
11	International Conference On Recent Trends In Graph Theory And Combinatorics (A Satellite Conference of ICM-2010)	International Level	Cochin University of Science & Technology, Cochin.	12.08.2010 to 15.08.2010
12	International Congress of Mathematicians ICM-2010	International Level	University of Hyderabad, Hyderabad.	19.08.2010 to 27.08.2010

13	National Conference on Advances in Differential Equations and Applications	National Level	Periyar University, Salem.	07.10.2010 & 08.10.2010
14	National Workshop on Latex and Scilab	National level	K.S.R. College of Arts & Science, Tiruchengode	03.12.2010 to 05.12.2010
15	Decomposition of Graphs and Product Graphs	National Level	Periyar University, Salem.	22.06.2011 to 25.06.2011
16	Second India-Taiwan Conference on Discrete Mathematics	International Level	Amritha University, Coimbatore.	08.09.2011 to 11.09.2011
17	National Conference on Theoretical Computer Science and Discrete Mathematics	National Level	n-CARDMATH Center, Kalasalingam University, Virudhunagar District.	09.01.2012 to 11.01.2012
18	Second National Conference on Advances in Differential Equations and Applications	National Level	Periyar University, Salem.	29.03.2012 & 30.03.2012
19	National Workshop on Mathematical Analysis and its Applications	National Level	Periyar University, Salem.	07.05.2012 to 12.05.2012
20	National Conference on Recent Advances in Graph Theory	National Level	Periyar University, Salem.	06.03.2014 & 07.03.2014
21	International Workshop on Graph Algorithms IWOGL 2014	International Level	n-CARDMATH Center, Kalasalingam University, Virudhunagar District.	03.12.2014 to 06.12.2014
22	National conference on Women Entrepreneurship: The Dynamics of Progress and its Reversal	National Level	A.V.V.M. Sri Pushpam College, Poondi, Thanjavur District.	20.03.2015 & 21.03.2015
23	International Conference on Theoretical Computer Science and Discrete Mathematics	International Level	n-CARDMATH Center, Kalasalingam University, Virudhunagar District.	19.12.2016 to 21.12.2016
24	Workshop on Product Graphs	National Level	Periyar University, Salem.	23.02.2017 to 25.02.2017
25	International Conference on Discrete Mathematics	International	Periyar University, Salem.	04.01.2018 to 07.01.2018

ANNEXURE – III

PAPERS PRESENTED IN SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC

Sl. No.	Title of the Paper	Level (State / National / International)	Sponsoring Agency and Name of the Institution	Date
1	On fuzzy set theoretic modelling of medical diagnosis based on symptoms and genetic influence	State Level	A.V.V.M. Sri Pushpam College, Poondi, Thanjavur District.	01.02.2003 & 02.02.2003
2	Bipartite Analogue of Hamilton-Waterloo Problem	International Level	Cochin University of Science & Technology, Cochin.	12.08.2010 to 15.08.2010
3	Hamilton-Waterloo Problem: Existence of Larger order from Smaller order	National Level	n-CARDMATH Center, Kalasalingam University, Virudhunagar District.	09.01.2012 to 11.01.2012
4	Funding opportunities for Indian Women in pursuing Higher	National Level	A.V.V.M. Sri Pushpam College, Poondi,	20.03.2015 & 21.03.2015

	Mathematics		Thanjavur District.	
5	3-Simple 2-fold 5-cycle systems	International Level	n-CARDMATH Center, Kalasalingam University, Virudhunagar District.	19.12.2016 to 21.12.2016

ANNEXURE – IV

RESEARCH PAPERS PUBLISHED:

Sl. No.	Title of the Paper	JOURNAL			Page Number
		Name	Volume	Year / Month of Publication	
1	Hamilton cycle rich 2-factorization of complete equipartite graphs - II	Graphs and Combinatorics	28	2012	877-887
2	Hamilton-Waterloo Problem: Existence of larger order from smaller order	Journal of Combinatorial Mathematics and Combinatorial Computing	84	2013	137-143
3	Hamilton cycle rich 2-factorization of complete bipartite graphs	Discrete Mathematics Algorithms and Applications	7	2015	155026 (19 pages)
4	Hamilton-Waterloo Problem: Bipartite case	Journal of Combinatorial Mathematics and Combinatorial Computing	95	2015	215-256
5	3-Simple 2-fold 5-cycle systems	Lecture Notes in Computer Science	10398	2017	357-361

ANNEXURE – V

GUEST LECTURES DELIVERED:

Sl. No.	Title of the Guest Lecture	Place	Date
1	Basic concepts of algebra (YSSP)	Periyar University, Salem.	02.05.2011 to 21.05.2011
2	Graphs: As Models	Annai Vailankanni arts and science college, Thanjavur.	29.02.2016
3	Sakunthaladevi- A Human Calculator	Govt. Arts college for women, Pudukkottai	02.03.2016
4	Fellowships for higher education in mathematics	E.G.S Pillai arts and science college, Nagapattinam.	05.08.2016
5	Recreational Mathematics	Sri Kailash Womens college, Thalavasal, Athur Dt.	19.09.2016
6	Contributions of Paul Erdos	National College, Tiruchirappalli.	13.09.2017
7	LaTeX	Bonsecours College for	22.09.2017

		Women, Thanjavur.	
8	Typing with LaTeX	A.V.V.M. Sri Pushpam College, Poondi	5.10.2018 & 6.10.2018

ANNEXURE – VI

RESEARCH PROJECTS – ONGOING AND COMPLETED:

SL. No.	Title of the project	Minor/ Major	Name of the Funding Agency	Period	Amount Sanctioned	UC Submitted If Yes, Date and Year
1.	Decompositions of graphs into cycles	Minor	UGC	March 2015 to Feb 2017	Rs.2,35,000/-	---

ANNEXURE – VII

Research Experience (M.Phil.) – Guided

Sl. No.	Name of the Scholar	Title of the Dissertation	Year of Study	University
1	A.Vinothini	-Labeling and prime labelling of cycles	2014 – 2015	Bharathidasan University
2	R.Santhanalakshmi	First kind graceful labelling of Pendent graphs	2015 2016	"
3	K.Surya	Edge coloring of cactus graphs and acyclic edge coloring of grid like graphs	"	"
4	P.Jency	Cyclic Decomposition of circulant graphs into bipartite graphs	2014 – 2016	"
5	U.Ramya	Decomposition of Complete graphs into paths and stars	"	"
6	G.Geetha	Decomposition of Complete graphs into triangles and claws	"	"
7	K.Murugesan	Decomposition of complete bipartite multigraphs into paths and cycles	"	"
8	M.Neelambari	Maximum matchings of bipartite and complete graphs with positive surplus	2015-2016	"
9	K.Thamizharasi	Indu-Bala Product of Graphs and its distance spectrum	2016-2017	"
10	K.Suganthalakshmi	Euler's 36 officers problem and Construction of MOLS	2016-2017	"
11	T.Jayashree	Randic Index, Zagreb Index and some its variations	2016-2017	"
12	V.Madhavan	Decompositions of Graphs into Stars	2015-2017	"
13	R.Radhika	Even cycle decompositions of 4-regular graphs and line graphs	2015-2017	"
14	N. Kokila	b-Coloring of graphs	2017-2018	"
15	S. Selvarathinam	Cardial labeling of graphs	2017-2018	"
16	R. Karthika	Divisibility conditions of integers and divisibility	2016-2018	"

		properties of a class of Binomial sums		
17	A.Sameera Fairose	Amicable Numbers	2016-2018	"
18	M.Tamilselvam	Cardial labeling of competition graphs	2016-2018	"

ANNEXURE – VIII

Research Experience (Ph.D.) – Awarded, Submitted and Guiding

Sl. No.	Name of the Scholar	Title of the Thesis	Year of Study	University
1	R.Chinnavedi	-----	April 2016 to	Bharathidasan University
2	M. Sujatha	-----	June 2017 to	"
3	K. Arthi	-----	Oct 2017 to	"
4	C. Sankari	-----	Jan 2018 to	"

ANNEXURE –IX

PARTICIPATION IN ACADEMIC RESEARCH BODIES IN OTHER INSTITUTIONS: (Mention the period in the relevant column)

Name of the Institution	Academic Council	BOS	Research committee	Academic Audit committee	Member in University committee	Any other (specify)
Govt. Arts college for women, Pudukkottai	---	---	Jan 2016 onwards	---	---	---

ANNEXURE – X

SERVICE IN ACADEMIC / EXTRA CURRICULAR/ EXTENSION ACTIVITIES

Sl. No.	Name of the Activity	Period
1.	Member of women studies committee	2014 – 15
2.	Additional Chief of the Examinations committee	June 2016 onwards

ANNEXURE – XI

MEMBERSHIP IN PROFESSIONAL BODIES

S. No.	Name of the Professional Body	National/International	Period
1.	Academy of Discrete Mathematics and Applications (ADMA)	National	Life Member
2.	Ramanujan Mathematical Society (RMS)	International	Life Member

ANNEXURE – XII

HONORS AND AWARDS RECEIVED :

S. No.	Name of the Award/honour	Sponsor	Period
1.	UGC-JRF and UGC-SRF (Under the scheme “Research Fellowships in Science for Meritorious Students”)	UGC	April 2009 to May 2013
2.	Reviewer of MatSciNet Database	American Mathematical Society	March 2016 onwards