



**A.V.V.M. SRI PUSHPAM COLLEGE  
(AUTONOMOUS),  
POONDI – 613503, THANJAVUR – DT.**



1. Name of the Staff : Dr.P.Reka  
2. Designation : Assistant Professor  
3. Academic Qualification : M.Sc., M.Phil.,B.Ed.,Ph.D.,

Course	UG	PG	M.PHIL.	PH.D.
Year	2006	2009	2010	2015
College & University	S.T.E.T WOMENS COLLEGE, MANNARGUDI, BHARATHIDASAN UNIVERSITY	S.T.E.T WOMENS COLLEGE, MANNARGUDI, BHARATHIDASAN UNIVERSITY	A.V.V.M. SRI PUSHPAM COLLEGE, POONDI, BHARATHIDASAN UNIVERSITY	A.V.V.M. SRI PUSHPAM COLLEGE, POONDI, BHARATHIDASAN UNIVERSITY

4. Date of Birth & Age : 15.08.1986 & 33

5. Date of Appointment :

Self – Finance :

D	D	M	M	Y	Y	Y	Y
1	3	0	7	2	0	1	0
2	7	0	5	2	0	1	7

FIP :

Aided :

6. Total Service :

8 Years 3 Months

7. Teaching Experience in completed years :

UG

8

PG

8

M.Phil.

2

8. Residential Address :

W/O R.ELAYABARATHI,  
32,ALAGARASAN NAGAR,NAGAI ROAD,  
VANDAIYAR ITI(OPP),  
THANJAVUR-613001.

Mobile Number : 7373169543

E-Mail Address : [prekabharathi@gmail.com](mailto:prekabharathi@gmail.com)

9. No. of Orientation / Refresher Courses and Training Programmes attended : -

10. Whether FIP availed, if yes, furnish details : NO

11. No. of Seminars attended : -

12. No. of Papers Presented : 2

**ANNEXURE – I**

13. No. of Papers Published : 7

**ANNEXURE – II**

14. No. of Books Published : Nil

15. No. of Guest Lectures delivered in other institutions : -

16. No. of Research Projects undertaken : Nil

17. No. of Seminars organised : Nil

18. No. of M.Phil. Scholars Guided : 10

**ANNEXURE – III**

19. No. of Ph.D. Scholars Guided : Nil

20. Participation in Academic Research Bodies in other institutions : Nil

21. Service rendered in academic / Extra Curricular/ Extension activities within the College other than teaching : Nil

22. Service rendered in Professional bodies outside the College : Nil

23. Honors / Awards received : Nil

*Signature of the Staff*

**ANNEXURE – I**

**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 a Special Rectangular Problem	International	Jamal Mohammed College, Trichy	14.02.2014
2.	Solution of some linear Diophantine Equations	National	A.V.V.M.SPC ,Poondi	28.07.2017

**ANNEXURE – V**

**RESEARCH PAPERS PUBLISHED:**

Sl. No.	Title of the Paper	JOURNAL			Page Number
		Name	Volume	Year / Month of Publication	
1.	On two Diophantine Equations $3^x+5^y=z^2$ and $3^x+7^y=z^2$	Bessel J.Math	4	2014	33-36
2.	On two Diophantine Equations $9^x+5^y=z^2$ and $9^x+7^y=z^2$	Diophantus J.Math	3	2014	27-30
3.	On two Diophantine Equations $3^x+2^y=z^2$ and $3^x+3^y=z^2$	Acta ciencia Indica	XLM No.3	2014	457
4.	On Solutions of some Diophantine Equations	Antartica J.Math	11	2014	215-219
5.	On Square Pentagonal numbers	Acta ciencia Indica	XLM No.1	2014	147
6.	On a special Rectangular Problem	Acta ciencia Indica	XLM No.2	2014	133
7.	Solution of some linear Diophantine Equations	IJCRME	Special Issue	2017	90

**ANNEXURE – III**

**Research Experience (M.Phil.) – Guided and Guiding**

Sl. No.	Name of the Scholar	Title of the Dissertation	Year of Study	University
1.	D.Suganya	A Study on Fuzzy Topology	2015-2016	Bharathidasan
2.	S.Shrikani	A Study of Fuzzy Logic	2015-2016	Bharathidasan
3.	S.Priya	The Application of Fuzzy Logic in Asthma Disease	2015-2016	Bharathidasan

4.	R.Indra	Application of Fuzzy Mathematics in Real Life.	2015-2017	Bharathidasan
5.	R.Kanimozhi	A Study on Diophantine Equation in Number Theory	2016-2017	Bharathidasan
6.	R.Chandrakala	A Study on Application of Index number theory to interest rates	2016-2017	Bharathidasan
7.	N.Kavitha	A Study on effective methods for Diophantine Equations	2016-2018	Bharathidasan
8.	R.Vanitha	Effective Method of Cubic Pell's Equation	2016-2018	Bharathidasan
9.	B.Saravanan	A Study on the Algorithmic Solution of Diophantine Equations	2016-2018	Bharathidasan
10.	R.Anitha	A Study on Dominating sets and Domotic Number of Circular arc Graphs	2017-2018	Bharathidasan
11.	A.Selvarajeswari	Number Theory	2017-2019	Bharathidasan
12.	S.Ezhil Nambi	Number Theory	2017-2019	Bharathidasan
13.	Santhoshi	Graph Theory	2018-2019	Bharathidasan
14.	Indumathi	Graph Theory	2018-2019	Bharathidasan