CAUVERY COLLEGE FOR WOMEN

(AUTONOMOUS)

STAFF PROFILE

PERSONAL INFORMATION

1. Name **:Dr.V.GEETHA**

2. Date of Birth **:05.01.1984**

3. Address **:**

Residential	Office
No.50,Adhi Bhagavan street, **Thendral Nagar, K.K.Nagar,** **Trichy-620021.** **E-Mail:geetharamanan26@gmail.com**	**PG and Research Department of Mathematics** **Cauvery College For Women(Autonomous)** **Trichy–620018.** **E-Mail:geethav.maths@cauverycollege.ac.in**

ACADEMIC INFORMATION

4. Designation & Department :Associate Professor, PG and Research Department of Mathematics

5. EducationalQualification:

Degree	Year	College/University
Ph.D.,	2017	Shrimati Indira Gandhi College, Trichy.
M.Phil.,	2007	Seethalakshmi Ramaswami College, Trichy.
PGDCA	2006	Chola Computers Institute, Pattukkottai.
M.Sc.,	2006	SeethalakshmiRamaswamiCollege,Trichy.
B.Sc.,	2004	Seethalakshmi Ramaswami College, Trichy.

6. Researcher ID:

GOOGLESCHOLAR

https://scholar.google.com/citations?user=Q3YIbhcAAAAJ&hl=en

ORCID: 0000-0002-7905-4911

WEB OF SCIENCE: Registered

SCOPUS ID: Registered

MENDELEY: Registered

PUBLONS: https://publons.com/researcher/4273863/geetharamanan/

VIDWAN:205849

7. Experience :

Date of Joining	Institution	Year of Experience
16.06.2008 to till date	Cauvery College for Women	17 years9 months
01.06.2007-31.03.2008	Chidambaram Pillai College For Women	1

8. Areas of Specialization : Number theory

9. Languages known: Tamil, English, Telugu

10. Subjects Taught :

UG	Statics, Dynamics, Differential Equations & Laplace Transforms, Algebra and Calculus, Complex Analysis, Differential Calculus and Trigonometry, Graph theory, Discrete Mathematics, Operations Research, Business tools for Decision Making, Numerical Analysis and Statistics, Analytical Geometry (3D) and Integral Calculus, Calculus and Fourier Series, Number Theory, Algebra and Theory of Numbers, Mathematics for Competitive Examinations, Applied Mathematics, Essential Mathematics, Numerical Methods, Cyber Security.
PG	Real Analysis, Algebra, Linear Algebra, Mathematical Modelling, Measure and Integration, Algebraic Number theory, Computational MATLAB Programing(P),

11. Details of Publications:

Journal Name& Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
Diophantus J Math, Vol.2(2)	2013	-	Pythagorean triangle with $\frac{Area}{Perimeter}$ Asaspecialpolygonal number	-
Jamal Academic Research Journal an interdisciplinary, Special issue	2014	0973-0303	On the cubic Diophantine Equation with five unknowns $x^3+y^3+(x+y)z^2=W^2-R^2$	-
International Journal of Scientific and Research Publications Vol.4(2)	2014	2250-3153	Observations on Half-Companion Pell numbers	-

International Journal of Mathematics Trends And Technology, Vol 17 (1)	2015	231-5373	*m*-gonal number$\pm$ 3=A Perfect square	-
International Journal of Research in Engineering And Applied Sciences,V ol.5(10)	2015	2249-3905	Pythagorean triangle with Hypotenous minus $4\left(\frac{Area}{Perimeter}\right)=(4k^2+2)\alpha^2$	5.981
Universe of Emerging Technologies and Science,VolII issue IX	2015	2349-655X	Pythagorean triangle with Hypotaneous minus $8\left(\frac{Area}{Perimeter}\right)$ as Quartic integer	0.217
International Journal of Current Research,Vo l.7(8)	2015	0975-833X	On the homogeneous biquadrartic equation with five unknowns $x^3-y^3=z^3-w^3+12t^4$	6.2
Jamal Academic Research Journal an inter Disciplinary Special issue	2015	0973-0303	On the non-Homogeneous Cubic equation with five unknowns $6(x^3-y^3)=z^3-w^3+12p^2+10$	-
Proceedings of National Conference on Recent developments on emerging fields in pure and applied mathematics, Special issue, March	2015		Pell equations and Triangular Numbers	-
Jamal Academic Research Journal an inter Disciplinary Special issue Feb	2016	0973-0303	On Interesting triple in Arithmetic Progression	-
Transactions on Mathematics TM, Vol2(3)	2016	2455-1856	Observations on $x^2+y^2=2(k^2+1)z^2$	-

American International Journal of Research in Science, Technology, Engineering and Mathematics, Vol.IX, issue 3	2017	2328-3580	On theTernary quadratic Diophantine equation $x^2+2y^2=4z$	
The International journal of Analytical and Experimental modal Analysis,Vol12, No.1	2020	0886-9367	Pythagorean Triangle with Perimeter as a Pentagonal Number	6.3
The International journal of Analytical and Experimental modal Analysis,Vol12, No.1	2020	0886-9367	On Transcendental Equation $z=\sqrt[4]{x+\sqrt{By}}+\sqrt[4]{x-\sqrt{By}}$	6.3
The International journal of Analytical and Experimental Modal Analysis,Vol12, No.1	2020	0886-9367	On the Homogeneous bi-Quadratic equation with five unknowns$X^4-Y^4=125(Z^2-W^2)R^2$	6.3
The International journal of Analytical and Experimental modalAnalysis,Vol12, No.1	2020	0886-9367	Fuzzy Assignment Model of 3-Jobs-Persons Using Hungarian Method	6.3
Aryabhatta Journal of Mathematics & Informatics, Vol 16, No .1	2024	0975 -7139	A study on some sequences of gaussian diophantine triples	-

12. Details of Book Chapter Published:

S.No	Chapter Name	Book Name &Volume	Year of Publication	Print ISBN	eBook ISBN
1.	Research on some Non-extendability of Gaussian Diophantine Quadruples	Research Updates in Mathematics and Computer ScienceVol2	2024	978-81-971889-5-4	978-81-971889-7-8

13. Details of Papers Presented:

Date	Organizer	NameoftheSeminar	PaperName
13th&14th Feb 2 014	Jamal Mohammed College, Trichy	International Conference on Mathematical Methods and Computation	On Cubic Diophantine Equation with Five un knowns $x^3+y^3+(x+y)z^2=W^2-R^2$
22nd&23rd Jan 2 015	Jamal Mohammed College,Trichy	International Conference on Mathematical Methods and Computation	On the non-homegeneous cubic equation with five unknowns $6(x^3- y^3)=z^3-W^3+12p^2+10$
12th&13thMar 2015	Thiagarajar College, Madurai	National Conference on Recent Developments on Emerging Fields in Pure and Applied Mathematics	Pell Equations and Triangular numbers
26th Sep 2015	Shrimati Indira Gandhi College, Trichy	Regional level seminar on Recent Trends in Mathematics	Observations on $x^2+y^2=2(k^2+1)z^2$
10th&11thFeb 2016	Jamal Mohammed College,Trichy	National Conference on Grapht heory, Fuz zy Graph theory and their applications	On Interesting Triple in Arithmetic Progression

14. Details of Seminars/Conferences/Workshops Attended:

Year &Date	Organizer	Title	National/ International	Topic
13th&14th Feb2 014	Jamal Mohammed College, Trichy	International Conference on Mathematic al Methods and Computation	International	On Cubic Diophant ine Equation with Five unkno wns $x^3+y^3+(x+y)z^2=W^2-R^2$
22nd&23rd Jan2 015	Jamal Mohammed College,Tr ichy	International Conference on Mathematic al Methods and Computation	International	On the non-homogeneos cubic equation with five unknowns $6(x^3-y^3)=z^3-W^3+12p^2+10$

12th&13th Mar 2015	Thiagarajar College, Madurai	National Conference on Recent Deve lopments on Emerging Fields in Pure and Applied Mathematics	National	Pell Equations and Triangular numbers
26th Sep2015	Shrimati Indira Gandhi College, Trichy	Regional level seminar on Recent Trends in Mathematics	Regional	Observations on $x^2+y^2=2(k^2+1)z^2$
10th&1 1th Feb2 016	Jamal Mohammed College, Trichy	National Conference on Graph theory, Fuzzy Graph theory and their applications	National	On Interesting Triple in Arithmetic Progression
13th&14th Feb20 14	Jamal Mohammed College, Trichy	International Conference on Mathematical Methods and Computation	International	On Cubic Diophantine Equation with five unknowns $x^3+y^3+(x+y)z^2=W^2-R^2$
22ndDec 2016	Shrimati Indira Gandhi College, Trichy	National Level Seminar on Modern Trends in Mathematics	National	On the Ternary quadratic diophantine equation $x^2+2y^2=4z$

15. Details of Refresher Course Attended:

Date	Title of the Course	Organizer
Jul–Oct2019 (12)weeks	Faculty Development Programme- Higher Engineering Mathematics	NPTEL-AICTE
January-April 2024(12)weeks	Applied Linear Algebra in AI&ML FDP & ELITE	NPTEL-AICTE
July- October 2024(12)weeks	A Basic Course in Number theory FDP & ELITE	NPTEL-AICTE
January-April 2025(12)weeks	Cryptography and Network Security FDP & ELITE + Silver	NPTEL-AICTE
January-April 2026(8)weeks	GraphTheory FDP & ELITE	NPTEL-AICTE

16. Details of Orientation Program attended:

Date	Title of the Course	Organizer
23.10.2025 to 29.10.2025 (One Week - 06 Working Days)	UGC-Sponsored Online Short Term Programme in Indian Knowledge Systems	UGC-Malaviya Mission Teacher Training Centre, Bharathidasan University

17. Details of Chairing as Resource Person:

Date	Title of the Seminar/Conference	Session Chaired
03.10.2018	**MATLAB PROGRAMMING FOR NUMERIC ALANALYSIS(THEORY) at ARIGNARANNA GOVERNMENT ARTS COLLEGE**	**Seminar**

18. Details of Incharge/Participation in Extracurricular Activities: (NSS, NCC, Sports, games, Vol untary Association and Cultural Activities):

Nature of Activity	Period of Incharge
BOMAC club	**2013-2015**

19. Details of Participation in Consultancy, Training, Development etc.:

S.No	Development Programme
1	Certified Microsoft Innovative Educator
2	Getting started With one Note

20. Details of Membership of Professional Bodies

: Life time membership

Bharat Ganita Parishad, Department of Mathematics and Astronomy,Lucknow, India

21. Any other information if any:

Number of Webinars Attended 26

Number of Faculty Development Programme Attended 18