

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, Department of Mathematics**

5. Educational Qualification:

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	Seethalakshmi Ramaswami College, Trichy.
B.Sc.,	2004	Seethalakshmi Ramaswami College, Trichy.

6. Researcher ID:

GOOGLE SCHOLAR

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

ORCID: 0000-0002-7905-4911

WEB OF SCIENCE: Registered S

COPUSID: Registered MENDEL

EY: Registered

PUBLONS: <https://publons.com/researcher/4273863/geetha-ramanan/>

VIDWAN: 205849

7. Experience :

DateofJoining	Institution	YearofExperience
16.06.2008totilldate	CauveryCollegeforWomen	16 years 9 months
01.06.2007-31.03.2008	ChidambaramPillaiCollegeFor Women	1

8. AreasofSpecialization : Numbertheory

9. Languagesknown:Tamil,English,Telugu

10. Subjects Taught :

UG	Statics, Dynamics, Differential Equations & Laplace Transforms, Algebra andCalculus,Complex Analysis,DifferentialCalculusandTrigonometry,Graphtheory, Discrete Mathematics, Operations Research, Business tools forDecisionMaking, Numerical Analysis and Statistics, Analytical Geometry (3D)andIntegralCalculus,CalculusandFourierSeries,Number Theory, AlgebraandTheoryofNumbers, Mathematics for Competitive Examinations, Applied Mathematics, Essential Mathematics, Numerical Methods, Cyber Security.
PG	RealAnalysis,Algebra,LinearAlgebra, MathematicalModelling, Measureand Integration,AlgebraicNumbertheory,ComputationalMATLABPrograming(P),

11. DetailsofPublications:

JournalName& Volume	Yearof Publication	ISBN Number	NameofthePaper	Impact Factor
DiophantusJMath, Vol.2(2)	2013	-	Pythagoreantrianglewith $\frac{Area}{Perimeter}$ Asaspecialpolygonal number	-
JamalAcademic ResearchJournalani nterdisciplinary, Specialissue	2014	0973-0303	OnthecubicDiophantine Equationwithfiveunknowns $x^3+y^3+(x+y)z^2=W^2-R^2$	-
International Journal ofScientific and Research Publica tions,Vol.4(2)	2014	2250-3153	ObservationsonHalf-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, Vol.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, Vol III 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, Vol 1.7(8)	2015	0975-833X	On the homogeneous biquadratic 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		Pellequations and Triangular Numbers	-
Jamal Academic Research Journal an inter Disciplinary Special issue Feb	2016	0973-0303	On Interesting triple in Arithmetic Progression	-
Transaction on Mathematics TM, Vol 2(3)	2016	2455-1856	Observation 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 the Ternary quadratic Diophantine equation $x^2 + 2y^2 = 4z$	
The International journal of Analytical and Experimental modal Analysis, Vol 12, No.1	2020	0886-9367	Pythagorean Triangle with Perimeter As a Pentagonal Number	6.3
The International journal of Analytical and Experimental modal Analysis, Vol 12, 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, Vol 12, 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 modal Analysis, Vol 12, No.1	2020	0886-9367	Fuzzy Assignment Model Of 3-Jobs-Persons Using Hungarian Method	6.3
Aryabhata 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 Science Vol 2	2024	978-81-971889-5-4	978-81-971889-7-8

13. DetailsofPapersPresented:

Date	Organizer	NameoftheSeminar	PaperName
13 th &1 4 th Feb2 014	JamalMohammed College,Trichy	International Conference onMathematical MethodsandComputati on	OnCubicDiophantine EquationwithFiveun knowns $x^3+y^3+(x+y)z^2=W^2-R^2$
22 nd &2 3 rd Jan2 015	JamalMohammed College,Trichy	International Conference onMathematical MethodsandComputati on	Onthe non- homogeneous cubicequation withfiveunknowns $6(x^3-y^3)=z^3-W^3+12p^2+10$
12 th & 13 th Mar 2015	Thiagarajar College, Madurai	NationalConferenceon RecentDevelopmentso nEmergingFieldsinPure andAppliedMathematic s	PellEquations andTriangularnum bers
26 th Sep2015	Shrimati IndiraGandhiCo llege,Trichy	Regionalleveleseminar onRecentTrends inMathematics	Observationson $x^2+y^2=2(k^2+1)z^2$
10 th &1 1 th Feb 2016	JamalMohammed College, Trichy	NationalConference onGraphtheory,Fuz zyGraph theory andtheirapplications	OnInterestingTriple inArithmetic Progression

14. DetailsofSeminars/Conferences/WorkshopsAttended:

Year &Date	Organizer	Title	National /Internation al	Topic
13 th &1 4 th Feb2 014	JamalMoha ammedColle ge,Trichy	International Conferenceo nMathematic alMethods andComputat ion	International	On CubicDiophant ineEquation withFiveunkno wns $x^3+y^3+(x+y)z^2=W^2-R^2$
22 nd &2 3 rd Jan2 015	JamalMoham medCollege,Tr ichy	InternationalC onference onMathematic alMethods andComputati on	International	On the non- homogeneous cubicequation withfiveunknowns $6(x^3-y^3)=z^3-W^3+12p^2+10$

12 th & 13 th Mar 2015	Thiagarajar College, Madurai	National Conference onRecentDeve lopmentson EmergingFiel dsinPureandA pplied Mathematics	National	PellEquationsand Triangularnumbers
26 th Sep2 015	ShrimatiIndir aGandhi College,Trichy	Regionalleve seminaron RecentTrends inMathematics	Regional	Observationson $x^2+y^2=2(k^2+1)z^2$
10 th &1 1 th Feb2 016	JamalMoha ammed College, Trichy	NationalConfe renceon Graphtheory, FuzzyGraph theoryand their applications	National	OnInterestingTriplei nArithmet ic Progression
13 th & 14 th Feb20 14	JamalMoha ammed College, Trichy	InternationalC onference onMathematic al MethodsandC omputation	International	OnCubicDio phantineEqu ationwith fiveunknown s $x^3+y^3+(x+y)z^2=W^2-R^2$
22 nd Dec 2016	Shrimati IndiraGandhiCo llege,Trichy	NationalLevelSe minaronModern Trends inMathem atics	National	Onthe Ternaryquadraticdiop hantineequation $x^2+2y^2=4z$

15. DetailsofOrientation / RefresherCourseAttended:

Date	TitleoftheCourse	Organizer
Jul–Oct2019 (12)weeks	FacultyDevelopmentProgramme- HigherEngineeringMathematics	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

16. DetailsofChairingasResource Person:

Date	TitleoftheSeminar/Conference	SessionChaired
03.10.2018	MATLABPROGRAMMINGFORNUMERIC ALANALYSIS(THEORY)atARIGNARANNA GOVERNMENT ARTS COLLEGE	Seminar

17. DetailsofIncharge/ParticipationinExtracurricularActivities:(NSS,NCC,Sports,Games,VoluntaryAssociationandCulturalActivities):

Nature ofActivity	Period of Incharge
BOMACclub	2013-2015

18. DetailsofParticipationinConsultancy,Training, Developmentetc.:

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

18. DetailsofMembership ofProfessionalBodies:**Life time membership**

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

19. Any otherinformationifany:

NumberofWebinarsAttended **26**

NumberofFaculty DevelopmentProgrammeAttended **18**