

**CAUVERY COLLEGE FOR WOMEN**  
**(AUTONOMOUS)**  
**STAFF PROFILE**

**PERSONAL INFORMATION**

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

**2. Date of Birth : 05.01.1984**

**3. Address :**

<b>Residential</b>	<b>Office</b>
<b>No.50, Adhi Bhagavan street, Thendral Nagar, K.K.Nagar, Trichy-620021. E-Mail: geetharamanan26@gmail.com</b>	<b>PG and Research Department of Mathematics Cauvery College For Women (Autonomous) Trichy- 620 018. E-Mail: geethav.maths@cauverycollege.ac.in</b>

**ACADEMIC INFORMATION**

**4. Designation & Department: Associate Professor, Department of Mathematics**

**5. Educational Qualification:**

<b>Degree</b>	<b>Year</b>	<b>College/University</b>
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

**SCOPUS ID:** Registered

**MENDELEY:** Registered

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

**VIDWAN :** 205849

**7. Experience :**

Date of Joining	Institution	Year of Experience
16.06.2008 to till date	Cauvery College for Women	15 years 8 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 :**

<b>UG</b>	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.
<b>PG</b>	Real Analysis, Algebra, Linear Algebra, Mathematical Modelling, Measure and Integration, Algebraic Number theory, Computational MATLAB Programming (P)
<b>M.Phil</b>	

**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 $\frac{\text{Area}}{\text{Perimeter}}$ as a special polygonal 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, Vol.5(10)	2015	2249-3905	Pythagorean triangle with Hypotenuse 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 Hypotenuse minus $8\left(\frac{Area}{Perimeter}\right)$ as Quartic integer	0.217
International Journal of Current Research, Vol.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 interdisciplinary, 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 interdisciplinary, 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 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

## 12. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
13 <sup>th</sup> & 14 <sup>th</sup> Feb 2014	Jamal Mohammed College, Trichy	International Conference on Mathematical Methods and Computation	On Cubic Diophantine Equation with Five unknowns $x^3 + y^3 + (x+y)z^2 = W^2 - R^2$

22 <sup>nd</sup> & 23 <sup>rd</sup> Jan 2015	Jamal Mohammed College, Trichy	International Conference on Mathematical Methods and Computation	On the non- homogeneous cubic equation  With five unknowns  $6(x^3 - y^3) = z^3 - W^3 + 12p^2 + 10$
12 <sup>th</sup> & 13 <sup>th</sup> Mar 2015	Thiagarajar College, Madurai	National Conference on Recent Developments on Emerging Fields in Pure and Applied Mathematics	Pell Equations and Triangular num bers
26 <sup>th</sup> Sep 2015	Shrimati Indira Gandhi Co llege, Trichy	Regional level seminar on Recent Trends in Mathematics	Observations on $x^2 + y^2 = 2(k^2 + 1)z^2$
10 <sup>th</sup> & 11 <sup>th</sup> Feb 2016	Jamal Mohammed College, Trichy	National Conference on Graph theory, Fuzzy Graph theory and their applications	On Interesting Triple in Arithmetic Progression

### 13. Details of Seminars/Conferences/Workshops Attended:

Year & Date	Organizer	Title	National /International	Topic
13 <sup>th</sup> & 14 <sup>th</sup> Feb 2014	Jamal Mohammed College, Trichy	International Conference on Mathematical Methods and Computation	International	On Cubic Diophantine Equation with Five unknowns $x^3 + y^3 + (x+y)z^2 = W^2 - R^2$
22 <sup>nd</sup> & 23 <sup>rd</sup> Jan 2015	Jamal Mohammed College, Trichy	International Conference on Mathematical Methods and Computation	International	On the non- homogeneous cubic equation  With five unknowns  $6(x^3 - y^3) = z^3 - W^3 + 12p^2 + 10$

12 <sup>th</sup> & 13 <sup>th</sup> Mar 2015	Thiagarajar College, Madurai	National Conference on Recent Developments on Emerging Fields in Pure and Applied Mathematics	National	Pell Equations and Triangular numbers
26 <sup>th</sup> Sep2015	Shrimati IndiraGandhi College,Trichy	Regional levelseminar on RecentTrends in Mathematics	Regional	Observationson $x^2+y^2=2(k^2+1)z^2$
10 <sup>th</sup> & 11 <sup>th</sup> Feb 2016	Jamal Mohammed College, Trichy	National Conference on Graph theory,Fuzzy Graph theory and their applications	National	OnInteresting Triple in Arithmetic Progression
13 <sup>th</sup> & 14 <sup>th</sup> Feb20 14	Jamal Mohammed College, Trichy	InternationalC onference onMathematic alMethods andComputati on	International	On CubicDiopha ntineEquation with  Fiveunknowns $x^3+y^3+(x+y)z^2=W^2-R^2$
22 <sup>nd</sup> Dec2016	Shrimati IndiraGandhiCo llege,Trichy	National LevelSeminar onModern Trends inMathematics	National	On the Ternaryquadraticdiop hantineequation $x^2+2y^2=4z$

#### 14. Details of Orientation / Refresher Course Attended:

Date	Title of the Course	Organizer
Jul –Oct 2019 1 (1/2) weeks	Faculty Development Programme- Higher Engineering Mathematics	NPTEL-AICTE

#### 15. Details of Chairing as Resource Person:

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

**16. Details of Incharge/Participation in Extracurricular Activities:**

**(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities):**

<b>Nature of Activity</b>	<b>Period of Incharge</b>
<b>BOMAC club</b>	<b>2013-2015</b>

**17. Details of Participation in Consultancy, Training, Development etc.:**

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

**18. Details of Membership in Academic Bodies/Board of studies : Nil**

**19. Details of Membership of Professional Bodies: Nil**

**20. Countries Visited Academically : Nil**

**21. Any other information if any:**

**Number of Webinars Attended 26**

**Number of Faculty Development Programme Attended 18**