

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

**PERSONAL INFORMATION**

**1. Name** : P. SANGEETHA

**2. Date of Birth** : 23.07.1992

**3. Address** :

Residential	Office
Perumsl kovil st, Venkatachalapuram, Pullambadi via, lalgudi (Tk), Trichy (Dt)-621 711. e-mail id - <a href="mailto:psangeethashree@gmail.com">psangeethashree@gmail.com</a> mobile no : 9789524803	Cauvery college for women Annamalai Nagar trichy-18

**ACADEMIC INFORMATION**

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

**5. Educational Qualification:**

Degree	Year	College/University
SET	2018	Mother Therasa University
M .Phil	2017	Periyar E.V.R College Trichy.
M.Sc	2014	Cauvery College For Women-Trichy
B.Sc	2012	Cauvery College For Women-Trichy

**6. Researcher ID** :

**GOOGLE SCHOLAR:** [https://scholar.google.com/citations?view\\_op=new\\_profile&hl=en](https://scholar.google.com/citations?view_op=new_profile&hl=en)

**ORCID:** <https://orcid.org/0000-0002-0161-5942>

**PUBLONS:** <https://publons.com/researcher/4339160/sangeetha-p/>

**VIDWAN:** <https://vidwan.inflibnet.ac.in/profile/206124>

**SCOPUS: REGISTERED**

**MENDELEY: REGISTERED**

**7. Experience** : 8 Years 9 Months

**8. Areas of Specialization** : Number Theory

**9. Languages known** : Tamil, English

**10. Subjects Taught** :

<b>UG</b>	Linear Algebra, Vector calculus and Fourier series, Analytical Geometry(3D), Methods in numerical analysis, Classical algebra and theory of numbers, Mathematical statistics-I, Mathematical statistics-III, Algebra and calculus, Essential Mathematics, Numerical analysis and statistics, Operations research, Algebra- analytical geometry (3d) & trigonometry, Biostatistics, Business Statistics, Value education, Universal Human Values, Environmental Studies, Cyber Security.
<b>PG</b>	Research methodology and statistics, Mathematical modelling, Discrete mathematics, Foundation for Logical Things.

**11. Details of Publications:**

<b>Journal Name &amp; Volume</b>	<b>Year of Publication</b>	<b>ISSN Number</b>	<b>Name of the Paper</b>	<b>Impact Factor</b>
Asian Journal of Science and Technology & Vol. 14.	2023	0976-3376	Integral Solution Of The Ternary Cubic Equation	5.99
International Journal of Scientific Research in Engineering and Management (IJSREM) & Vol 07	2023	2582-3930	Connection Between Special Pythagorean Triangles And Disarium Number	8.176
International Journal for Research in Applied Science & Engineering Technology (IJRASET) & Vol 11	2023	2321-9653	Pythagorean Triangle with Area/Perimeter as a Disarium Number of Order 2 to 4	7.538
International Journal of All Research Education and Scientific Methods (IJARESM), Volume 12	May-2024.	2455-6211	Construction of Gaussian Diophantine Triples With the Property D (9) and D (4)	8.536
Aryabhatta journal of mathematics and informatics, Volume 12, No-1,	Jan-Jun 2024.	(print)- 0975- 7139, (Online)- 2394-9309,	ON THE TERNARY QUADRATIC DIOPHANTINE EQUATION $19(x^2 + y^2) - 37xy = 100z^2$	5.856

Indian Journal of Natural Sciences (WEB OF SCIENCE) Volume 15, Issue 88 Page No: 90233-90236	Febraury 2025	(P): 0976-0997	Non-Negative Solution of the Exponential Diophantine Equation with Three Unknowns Including Prime and Disarium Numbers	4.34
International Journal for Research in applied Science & Engineering Technology (IJRASET), Volume 13, Issue : 2321-9653, Page No: 793-798	March 2025	ISSN: 2321-9653	Intrinsic Solution on Ternary Quadratic Diophantine Equation $6x^2+6y^2-11xy=72z^2$	7.429

### Details of Book Chapters:

Journal Name & Volume	Year of Publication	ISSN Number	Name of the Paper
Explorations in Diophantine Equations	November 2023	978-81-967488-3-8, eBook ISBN: 978-81-967488-6-9	On a Graceful Dio-3 Tuples for Rhombic Dodecagonal Number, Chapter 10
Explorations in Diophantine Equations	November 2023	978-81-967488-3-8 eBook ISBN: 978-81-967488-6-9	RSA Public Key Cryptography Encryption and Decryption Technique Involving Pythagorean Prime Numbers, Chapter 14

### 12. Details of Conferences Attended in Online Mode:

Date & Venue	Title	National / International	Topic
28.11.2016 - 03.12.2016 & Rajiv Gandhi national institute of youth development (RGNIYD)	Capacity building workshop	National workshop	Women connect for leadership and change
March 24-25, 2023	International Conference on Mathematics and its Applications in Technology (ICMAT23)	International Conference	Pythagorean Triangle with Area/Perimeter as a Disarium Number of Order 2 to 4.

21 <sup>st</sup> and 22 <sup>nd</sup> October 2023 , Holly Cross Arts and Science College for Women, Tirupattur.	International Conference on Mathematical Modelling, Analysis and Computing-2023	International Conference	Formation of Dio-3 Tuples Involving Some Figurate Numbers
20.02.2024 AIMAN College of Arts and Science for Women, Trichy.	Recent Trends in Mathematics & its applications-2024 (ICRTMA '24)	International Conference	CONSTRUCTION OF GAUSSIAN DIOPHANTINE TRIPLES WITH THE PROPERTY $D(9)$
30.08.2024 A.D.M College for Women (Autonomous), Nagapattinam.	International Conference on Recent Advances in Bio-Mathematics.	International Conference	Integral Solution of Exponential Diophantine Equation.
14.03.2025 Non-Homogeneous Solution of Quintic equation with five unknowns	National Conference on Advancements in Science and Language for Engineering and Technology (NASLST-2025), K. Ramakrishnan College of Technology, Samayapuram, Trichy.	National Conference	Non-Homogeneous Solution of Quintic equation with five unknowns.

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

1.	Career Opportunity for mathematics in Foreign Countries	19-22.05. 2020,10.00-11.00 a.m
2.	Moodle – Learning Management System	19-23.05.2020, 1.30 p.m
3.	Research Methods and Writing Skills in Mathematical Sciences	25- 27.05.2020
4	Graph Theory- A Research View	26.05.2020, 11.00 a.m– 12 p.m
5	Descriptive Statistics through R-Programming	26- 28.05.2020, 11.00 a.m- 12 p.m
6	FDP overview of IPR patent and filling aspects	22.02.2022
7.	Academic Integrity and Dealing with Plagiarism-A Practical Approach	17.09.2022
8.	An Integrated Approach to Reviewing your Paper Leveraging the Power of Citation Tools and Chat GPT	10.04.2023
9.	“Research and Publication Ethics”	10th February to 10th March 2023.

10.	“A Five-Day Online FDP on Advances in Graph Theory”	11 Sep 2023 to 15th Sep 2023.
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**14. Details of Seminars / Conferences / Workshops Attended (Online mode):**

S. NO	NATURE OF THE ACTIVITY	TITLE OF THE ACTIVITY	DATE AND TIME	RESOURCE PERSON	NAME OF THE HOSTING INSTITUTION	CATEGORY
1	Webinar	English Language Teaching in the Viral Era	04.05.2020	Dr.P.Nagaraj	Cauvery College for Women (Autonomous) Trichy-18	State
2	Webinar	Cyber Security for Women	08.05.2020, 5.30 p.m	-	IQAC Lakshmibai College, University of Delhi	State
3	Webinar	Modern Teaching Techniques	17.05.2020	Pandi Alaguraja M, HR Business Leader, Oneyes Technoogy, Chennai.	Dr.Zakir Husain College, Ilayangudi, Sivagangai District	State
4	Webinar	Introduction to Graphs from Algebraic Structures	22.05.2020, 10.30 a.m – 12 p.m	Dr.T.Asir, Assistant Professor and Head Department of Mathematics, Madurai Kamaraj University, Madurai.	G.T.N. Arts College (Autonomous), Dindigul.	State
5	Webinar	Semi Graphs and Virus Graphs	31.05.2020, 3.00 p.m	Dr.K.Meenakshi, Associate Professor, CMR Institute of Technology, Kundalahalli, Bengaluru.	Cauvery College for Women (Autonomous) Trichy-18	State

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

1. Getting with one note.
2. Digital Story Telling With Microsoft Sways