# *PROFILE*

**Name**        :**Dr.S.SRIRAM**

**Designation**   : Associate Professor

**Qualification**   : M.Sc., M.Phil., Ph.D.

**Date of Joining** :19.12.2007

## *Academic Qualifications*

| Examination | Subject(s) | Name of the Board / University | Year of Passing | Division / Class / Grade |
|---|---|---|---|---|
| SSLC | Tamil,English, Maths,Science Social .Science | State board | 1997 | I |
| HSC | Tamil,English, Maths,Physics, Chemistry, Biology | State board | 1999 | I |
| Under Graduate | Mathematics | Bharathidasan | 1994 | I |
| Post Graduate | Mathematics | Bharathidasan | 1997 | I |
| Other Academic Qualifications (if any, Specify) | - | - | - | - |

## *Research Degree (s)*

| Degrees | Title | Date and year of award | University |
|---|---|---|---|
| M.Phil (Mathematics) | Association Schemes on Triples | September 2000 | Bharathidasan |
| Ph.D (Mathematics) | Integral Solutions of Diophantine Equation of degree maximum four and analysation of some special Pythagorean triangle | 04-03-2015 | Bharathidasan |

## *Publications:*

| S No | Title of the Paper with publication details |
|---|---|
| 1. | Sriram, S., Veeramallan., "A different approach on a Pythagorean Triangle which Satisfies p (Hypotenuse)− 4p (Area / Perimeter) as a square integer", IJSRSET, 2016, Vol. 2, Issue 6, pp. 101-103. |

| 2. | Sriram, S., Kavitha Rani E., "ADifferentApproach onPythagoreanTriangle,WhichSatisfies$(onelegofrighttriangle2pq) - 6(Arrea/Perimeter) = K$", IJSRSET, 2016, Vol. 2, Issue 6, pp. 96-99. |
|---|---|
| 3. | Sriram, S., Veeramallan., Some Special Analysation on a Pythagorean Triangle which satisfies $\alpha\big((Hypotonuse \times Perimeter) - 4(Area)\big) = (a^2 - b^2)(Perimeter)$ for some particular different values of α, Advances in Mathematics: Scientific Journal, 2020, Vol. 9, No. 5 (Scopus) |
| 4. | Sriram, S., Kavithanandhi, S., On the Non Homogeneous Heptic Diophantine Equation $(5x^2 - 8xy + 5y^2) = 26Z^7$, Strad Research, Volume 7, Issue 6, 2020, pp. 375-379. |
| 5. | Sriram, S., Kavithanandhi, S., On the Non Homogeneous Heptic Diophantine Equation $(x^2 - y^2)(11x^2 + 11y^2 - 20xy) = 25(X^2 - Y^2)Z^5$, International Journal of Latest trends in Engineering and Technology, July 2020, Volume 17, Issue 1, pp. 001-007. |
| 6. | Sriram, S., Veeramallan., Solving of trancendental equation $\sqrt{2z - 4} = \sqrt{x + \sqrt{C}y} \pm \sqrt{x - \sqrt{C}y}$ by means of the method of continued fraction for the choices of $C = m^2 \pm 4$, Journal of Xi'an University of Architecture & Technology Volume XII, Issue XII, 2020 |
| 7. | Sriram, S., Veeramallan., Some Special Analysation on a Pythagorean Triangle which satisfies $\lambda\big((Hypotonuse \times Perimeter) - 4(Area)\big) = \mu^2(Perimeter)$, Advances and Applications in Mathematical Sciences Volume 20, Issue 8, June 2021, Pages 1475-1483 |
| 8. | Sriram, S., & Kavithanandhi, S., MOTIF ON $(x^2 - y^2)(Ax^2 + Ay^2 - (2A - 2)xy) = (2A + 3)(X^2 - Y^2)Z^5$, Advances and Applications in Mathematical Sciences, Volume 20, Issue 8, June 2021, pp. 1485-1492. |
| 9. | Sriram, S., Veeramallan., Some Special Analysation on a Pythagorean Triangle which satisfies $\boldsymbol{\alpha((Hypotonuse \times Perimeter) - 4(Area))} = \lambda^2(Perimeter)$ for some particular different values of α, Int. J. Math. And Appl., 9(4)(2021), 127-149 ISSN: 2347-1557 |
| 10. | Sriram, S., Veeramallan., On the Integer Solution of the Transcendental Equation$\sqrt{2z} - 4 = \sqrt{x} + \sqrt{C}y \pm \sqrt{x} - \sqrt{C}y$, Indian Journal of Advanced Mathematics (IJAM) ISSN: 2582-8932 (Online), Volume-1 Issue-3, April 2022 |
| 11. | Sriram, S., Veeramallan., ON THE TRANSCENDENTAL EQUATION WITH THREE UNKNOWNS $\sqrt{2z - 4} = \sqrt{x + \sqrt{C}y} \pm \sqrt{x - \sqrt{C}y}$ FOR DIFFERENT VALUES OF C BY USING THE CONTINUED FRACTION METHOD, Int. J. Math. And Appl., 10(1)(2022), 51-57, ISSN: 2347-1557 |
| 12. | Sriram, S., Veeramallan., On the Fermat Quartic Equation $544x^4 + y^4 = z^4$, *Quest Journals Journal of Research in Applied Mathematics Volume 8 ~ Issue 3 (2022) pp: 07-09 ISSN(Online) : 2394-0743 ISSN (Print): 2394-0735* |

| 13. | Sriram, S., Kavithanandhi, S., FELICITOUS LABELINGS OF GRAPHS RELATED WITH STAR MERGED WITH SHELL GRAPH, Advances and Applications in Mathematical Sciences, Volume 21, Issue 8, June 2022, 4523- 4531 |
|---|---|
| 14. | Sriram, S., Veeramallan., GENERALIZED BI-PERIODIC BALANCING NUMBERS, Advances and Applications in Mathematical Sciences Volume 21, Issue 8, June 2022, Pages 4515-4522 |
| 15. | Sriram, S., Veeramallan., A NOTE ON PYTHAGOREAN TRIPLES AND GENERALIZED RECURSIVE SEQUENCES, Stochastic Modeling & Applications, Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8)     ISSN: 0972-3641 |
| 16. | Sriram, S., Veeramallan., Positive Integer Solutions of Some Pell Equations via Generalized Bi-Periodic Fibonacci and Generalized Bi-Periodic Lucas Sequences, International Journal of Science and Research (IJSR), Volume 11 Issue 8, August 2022, 1050- 1053.<br>ISSN: ISSN: 2319-7064 |
| 17. | Sriram, S., Veeramallan., A NOTE ON NEO BALANCING SEQUENCE, GENERALIZED RECURSIVE SEQUENCES AND PYTHAGOREAN TRIPLES, IJMCR (International Journal of Mathematics and Computer Research), Volume 10, Issue 08, August 2022, Page no. – 2852-2854 |
| 18. | Sriram, S., Veeramallan., On the Integer solutions of the Diophantine Equations $x^2 - (a^2 b^2 + b)y^2 - (4c + 2)x + 4(a^2 b^2 + b)y - 4(a^2 b^2 + b - c^2 - c) = 0$, IJPRSE,  VOL.3, NO.11, NOVEMBER 2022 |
| 19. | Sriram, S., Veeramallan., POSITIVE INTEGER SOLUTIONS OF PELL EQUATIONS $x^2 - Cy^2 = \pm 1$    VIA GENERALIZED BI-PERIODIC FIBONACCI AND LUCAS SEQUENCES FOR THE CHOICES OF $C = m^2 \pm 4$,  BULLETIN OF MATHEMATICS AND STATISTICS RESEARCH (BOMSR),Vol.10.Issue.4.2022 (Oct-Dec), ISSN: 2348-0580 |
| 20. | Sriram, S., Veeramallan., David Christopher, A., A Generalised Coprime Graph-Revisited, International Journal of Applied Graph Theory, Vol. 7, No. 1 (2023), 01 - 10. $ISSN(Online)$ : $2456 – 7884$ |
| 21. | S. Sriram, & A. David Christopher, Congruences and Integral Roots of D'Arcais Polynomials, Research in Number Theory, Vol. 10, Article No. 9 (2024), Published: 29 December 2023. |

*Conference/Workshopsattended:*

| S.No: | Nameoftheinstitution | Title | Date |
|---|---|---|---|
| 1. | National College(Autonomous),Trichy. | Training ProgrammeonLATEX | September23-27 2013. |

| 2. | Two day State LevelWorkshop, NationalCollege (Autonomous),Trichy. | LATEX– TypesettingTool | September14$^{th}$&15$^{th}$2015. |
|---|---|---|---|
| 3. | National College(Autonomous),Trichy. | Workshop on RealAnalysis. | 22$^{nd}$ February2019. |

*Seminarsattended:*

| S.No: | Nameoftheinstitution | Title | Date |
|---|---|---|---|
| 1. | National College(Autonomous),Trichy. | Workshop on RealAnalysis. | 22$^{nd}$ February2019. |
| 2. | National College(Autonomous),Trichy. | Seminar on Pure andAppliedMathematics. | 21$^{st}$February2020. |

## *Teaching Experience:*

*TEACHING*

- **Associate professorofMathematics(AP)**      **19.12.2020 – Till dateNationalCollege,Trichy**

- **Assistant professorofMathematics(AP)**      **19.12.2007 – 18.12.2020 NationalCollege,Trichy**

- **Assistant Professor of Mathematics**      **15.06.2000 – 15.12.2007 Saranathan College of Engineering, Trichy**

## *Research***:**
- Ph.DGuided   : 2 (Ongoing- 1)
- M.Phil Guided       : 15