CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS) STAFF PROFILE

PERSONAL INFORMATION

1. Name : Dr.C.SARANYA

:

- 2. Date of Birth : 12-11-1988
- 3. Address

| Residential | Office |
|--|--|
| 28.2, Opposite to Kamatchi Amman temple, | Associate Professor, |
| Mudhaliyar Street, Woraiyur, | PG and Research Department of Mathematics, |
| Tiruchirappalli-620003. | Cauvery College for Women (Autonomous), |
| e-Mail: c.saranyavinoth@gmail.com | Annamalai Nagar, |
| mobile: 8807159838, 8667482587 | Tiruchirappalli-620018. |
| | e-mail: saranyac.maths@cauverycollege.ac.in |

ACADEMIC INFORMATION

4. Designation & Department:

Associate Professor, PG and Research Department of Mathematics.

5. Educational Qualification :

| Degree | Year | College/University | | | | |
|----------|----------|--|--|--|--|--|
| Ph.D., | Dec 2021 | Cauvery College for Women (Autonomous), | | | | |
| | | Affiliated to Bharathidasan University, | | | | |
| | | Tiruchirappalli. | | | | |
| SET | Apr 2017 | Mother Teresa Women's University, Kodaikanal. | | | | |
| | | | | | | |
| M.Phil., | Nov 2011 | Seethalakshmi Ramaswami College (Autonomous), | | | | |
| | | Affiliated to Bharathidasan University, | | | | |
| | | Tiruchirappalli. | | | | |
| M.Sc., | Apr 2010 | Seethalakshmi Ramaswami College, (Autonomous), | | | | |
| | | Affiliated to Bharathidasan University, | | | | |
| | | Tiruchirappalli. | | | | |
| B.Sc., | Apr 2008 | Seethalakshmi Ramaswami College (Autonomous), | | | | |
| | | Affiliated to Bharathidasan University, | | | | |
| | | Tiruchirappalli. | | | | |

6. **RESEARCHER ID:**

Google Scholar: <u>https://scholar.google.com/citations?user=xcOrqQQAAAAJ&hl=en</u> Orcid: <u>https://orcid.org/0000-0002-0318-287X</u>

Scopus ID: https://www.scopus.com/authid/detail.uri?authorId=57460519600

Web of Science ID: <u>AAH-2795-2021</u>

Publons: https://publons.com/researcher/3315266/saranya-c/

Vidwan: https://vidwan.inflibnet.ac.in/profile/205958

Linkedin: https://www.linkedin.com/in/c-saranya-366a3513b/

ResearchGate: https://www.researchgate.net/profile/C-Saranya-4

7. Dissertation/Thesis:

| S.No | Research Degree | Title of Dissertation / Thesis | | | |
|------|------------------------|--|--|--|--|
| | M.Phil / Ph.D | | | | |
| 1. | M.Phil., | A Notion of δ -Completion, Ascoli's theorem in Almost Quiet | | | |
| | | Quasi-Uniform space. | | | |
| 2. | Ph.D., | A Scrupulous Scrutiny On Spectacular Number Prototypes | | | |
| | | And The Integral Solutions Of Substantial Diophantine | | | |
| | | Equations. | | | |

8. Experience:

| Date of Joining | Institution | Year of Experience |
|-----------------|---------------------------|--------------------|
| 05.08.2011 | Cauvery College for Women | 12 Years 6 months |

9. Areas of Specialization : Number Theory

10. Languages known : Tamil, English

11. Subjects Taught:

| UG | Statics, Dynamics, Differential Equations & Laplace Transforms, Algebra and | | | | | |
|----|--|--|--|--|--|--|
| | Calculus, Real Analysis, Differential Calculus & Trigonometry, Probability & | | | | | |
| | Statistics, Operations Research, Business Tools for Decision Making, Numerical | | | | | |
| | Analysis & Statistics, Sequences & Series, Calculus & Fourier Series, Algebra, | | | | | |
| | Analytical Geometry (3D) & Trigonometry, Algebra & Theory of Numbers, | | | | | |
| | Mathematical Statistics-II, Number Theory, Discrete Mathematics, Vector | | | | | |
| | Calculus & Fourier Series, Mathematics for Competitive Examinations, | | | | | |
| | MATLAB Programming, Business Statistics, Numerical Methods. | | | | | |
| | | | | | | |
| PG | Mathematical Modelling, Differential Geometry, Discrete Mathematics, Classical | | | | | |
| | Dynamics, Optimization Techniques, Probability & Statistics, Ordinary | | | | | |
| | Differential Equations, Linear Algebra & Functional Analysis. | | | | | |

12. Details of Paper Publications:

| S.No | Journal Name & | Year of | ISSN | Name of the Paper | Impact |
|------|----------------------------|-------------|--------|------------------------|--------|
| | Volume | Publication | Number | | Factor |
| 1. | Jamal Academic | Feb 2016 | 0973- | Observations on the | - |
| | Research Journal – An | | 0303 | Ternary Quadratic | |
| | Interdisciplinary, Special | | | Equation | |
| | issue | | | $5x^2 + 7y^2 = 972z^2$ | |
| 2. | American International | Dec 2015- | 2328- | Special pairs of | 5.01 |
| | Journal of Research in | Feb 2016 | 3491 | Pythagorean triangles | |
| | Science, Technology, | | | and Jarasandha | |
| | Engineering and | | | numbers | |
| | Mathematics, Issue-13 | | | | |

| 3. | International Journal of Innovative Research in Science, Engineering and Technology, Vol-5, Issue-2 | Feb 2016 | 2347- 6710 | Observations on the Ternary Quadratic Diophantine Equation $6(x^2+y^2)-11xy+3x+3y$ $+9=72z^2$ | 5.442 |
|-----|--|-----------------|---------------|---|-------|
| 4. | International Journal of Multidisciplinary Research and Development, Volume 3, Issue 3 | March 2016 | 2349- 4182 | Connection between Special Pythagorean triangles and Jarasandha numbers | 5.72 |
| 5. | Bulletin of Mathematics and Statistics Research, Volume 4, Issue 2 | Apr-Jun 2016 | 2348- 0580 | Special Rectangles and Jarasandha numbers | 4.495 |
| 6. | Asian Journal of Science and Technology, Volume 7, Issue 5 | May 2016 | 0976- 3376 | SpecialpairsofRectanglesandJarasandha numbers | 5.544 |
| 7. | International Journal of Engineering, Science, and Computing, Vol-6, Issue-5 | May 2016 | 2321- 3361 | Integral solutions of the non-homogeneous heptic equation with five unknowns $5(x^3-y^3)-7(x^2+y^2)+z^3-w^3+3wz-xy+1)=972p^7$ | 5.611 |
| 8. | International Research Journal of Engineering and Technology, Volume 3, Issue7 | July 2016 | 2395- 0056 | Pythagorean triangle with Area.Perimeter as a Jarasandha number of orders 2 & 4 | 4.45 |
| 9. | International Research Journal of Engineering and Technology, Volume 4, Issue3 | March 2017 | 2395- 0056 | Integral Solutions of the Ternary Cubic Equation $3(x^2+y^2)$ - $4xy+2(x+y+1)=972z^3$ | 5.181 |
| 10. | International Journal of Research in Engineering and Applied Sciences, Volume 7, Issue XI | March 2017 | 2249- 3905 | Connection between Frustum of the Cone with Jarasandha Numbers and Some Special Numbers | 7.196 |
| 11. | International Journal for Research in Applied Science & Engineering Technology, Volume 5, Issue VIII | Aug 2017 | 2321- 9653 | Integral Solutions of the Homogeneous Biquadratic Diophantine Equation $3(x^4-y^4)-2xy(x^2-y^2)=$ $972(z+w)p^3$ | 6.887 |
| 12. | International Journal for Scientific Research & Development, Volume 5, Issue 7 | Aug 2017 | 2321- 0613 | Integral Solutions of the Homogeneous Quintic Diophantine Equation $x^5 \cdot y^5 \cdot x^2 y^2 (x \cdot y) = 972(x \cdot y)(z + w)^2 p^2$ | 4.396 |
| 13. | International Journal for Research in Applied Science & Engineering Technology, Volume 5, Issue XI | Nov 2017 | 2321- 9653 | Evaluating Pyramidal Numbers and Pentatope Number Using Initial Value Theorem in Z- Transform | 6.887 |
| 14. | Journal of Mathematics and Informatics, Vol 11, Special Issue | Dec 2017 | 2349- 0632 | Special Dio 3-tuples for Pentatope Number | 1.627 |

| 15. | International Journal for Research in Applied Science & Engineering Technology, Volume 6, Issue III | March 2018 | 2321- 9653 | Construction of The Diophantine Triple involving Pentatope Number | 6.887 |
|-----|--|------------------|---------------|--|-------|
| 16. | Aryabhatta Journal of Mathematics & Informatics, Vol 10, No. 2 | July-Dec 2018 | 0975- 7139 | Tracing of PolygonalNumberfromPyramidalNumberand PentatopeNumberDivisionAlgorithm | 5.856 |
| 17. | International Journal of Research and Analytical Reviews, Volume 5, Issue 4 | Nov 2018 | 2349- 5138 | Sums of Squares of Pyramidal Numbers | 5.75 |
| 18. | International Journal of Research and Analytical Reviews, Volume 6, Issue 1 | Jan 2019 | 2349- 5138 | IntegerTriplescomprisingofJarasandhaNumbersinArithmeticProgression&Geometric Progression | 5.75 |
| 19. | International Journal of Scientific Research in Mathematical and Statistical Sciences, Volume 6, Issue 1 | Feb 2019 | 2348- 4519 | Solutions of Pell's Equation involving Jarasandha Numbers | 1.021 |
| 20. | Compliance Engineering journal, Volume 10, Issue 8 | Aug 2019 | 0898- 3577 | Relation Between Lateral Surface Area of a Cube & Pyramidal Numbers | 6.1 |
| 21. | ADALYA Journal, Volume 10, Issue 8 | Aug 2019 | 1301- 2746 | SpecialDio-QuadruplescomprisingofCenteredSquarenumbers with propertyD(2) | 5.3 |
| 22. | International Journal for Science and Advance Research in Technology, Volume 5, Issue 8 | Aug 2019 | 2395- 1052 | Gaussian Diophantine Quadruples involving Gnomonic numbers with property D(4) | 5.888 |
| 23. | International Journal of Recent Technology and Engineering (UGC CARE LIST 'II' & SCOPUS INDEXED),Volume 8, Issue 3 | Sep 2019 | 2277- 3878 | HalfCompanionsequencesofspecialDio3-tuplesinvolvingCenteredsquarenumbers | 5.92 |
| 24. | AryabhattaJournalofMathematics&Informatics, Vol11, No.2 | July-Dec 2019 | 0975- 7139 | Correlation between Pyramidal Numbers | 5.856 |

| 25. | Advances and | Oct 2019 | 0974- | Solution of | _ |
|-----|--------------------------|------------|----------|---------------------------------------|-------|
| | Applications in | | 6803 | Exponential | |
| | Mathematical Sciences, | | | Diophantine Equation | |
| | (UGC CARE LIST 'I' & | | | involving Jarasandha | |
| | Web of Science), | | | Numbers | |
| | Volume 18, Issue 12 | | | | |
| 26. | International Journal of | Dec 2019 | 2348- | Some Non-Extendable | 1.021 |
| | Scientific Research in | | 4519 | Diophantine Triples | |
| | Mathematical and | | | involving Centered | |
| | Statistical sciences, | | | square numbers | |
| | Volume 6, Issue 6 | | | - | |
| 27. | INFOKARA Journal, | Feb 2020 | 1021- | Some Non-Extendable | 5.3 |
| | Volume 9, Issue 2 | | 9056 | Special Dio- Triples | |
| | | | | involving Pentatope | |
| | | | | numbers | |
| 28. | PARISHODH Journal, | Feb 2020 | 2347- | On Generalized | 6.3 |
| | Volume XI, Issue II | | 6648 | Fermat Equations | |
| | | | | involving Jarasandha | |
| | | | | Numbers | |
| 29. | International Journal of | Mar 2020 | 2454- | Integral solutions of | 1.021 |
| | Scientific Research in | | 9312 | the non-homogeneous | |
| | Multidisciplinary | | | Sextic equation with | |
| | Studies, Volume 6, Issue | | | Three unknowns $2(x^2 + x^2)$ 2 072-6 | |
| | 6 | | | 5(x + y) - 2xy = 9/2z | |
| 30. | Journal of Xidian | Apr-2020 | 1001- | Continued Fractions of | 5.4 |
| | University, Volume 14, | - | 2400 | Proportions of | |
| | Issue 4 | | | Consecutive Pyramidal | |
| | | | | Numbers | |
| 31. | International Journal of | Apr-2020 | 2348- | Observations on the | 1.021 |
| | Scientific Research in | | 4519 | Binary Quadratic | |
| | Mathematical and | | | Diophantine Equation | |
| | Statistical sciences, | | | $x^2 - 2xy - y^2 + 2x + 14y = 72$ | |
| | Volume 7, Issue 2 | | | | |
| 32. | Aryabhatta Journal of | Jan-June | 0975- | Ramanujan-Type | 5.856 |
| | Mathematics & | 2020 | 7139 | Diophantine Equation | |
| | Informatics, Volume 12, | | | Involving Jarasandha | |
| | No.1 | | | Numbers | |
| 33. | Indian Journal of | October | 2582- | Special Diophantine | - |
| | Advanced Mathematics | 2021 | 8932 | Triples Involving | |
| | (IJAM), Volume-1, | | (Online) | Square Pyramidal | |
| | Issue-2 | | | Numbers | |
| 34. | JIJNASA, Volume 38, | April 2021 | 0337- | Encryption Technique | - |
| | No.1 | | 743X | Using RSA Public Key | |
| | | | | Cryptography | |
| | | | | Involving Jarasandha | |
| | | | | Numbers Of Orders 2 | |
| | | | | And 4 | |

| 35. | Utkal Historical | April 2021 | 0976- | Application of | _ |
|-----------|---------------------------|------------|------------------|---|-------|
| | Research Journal, | | 2132 | Number Theory in | |
| | Volume 34(V) | | | Balancing Chemical | |
| | | | | Equations And Ladder | |
| | | | | Problem in Statics | |
| 36. | International Journal of | Dec 2021 | 2348- | Dio-Triples Involving | 1.021 |
| | Scientific Research in | | 4519 | Pentagonal Pyramidal | |
| | Mathematical and | | | Numbers | |
| | Statistical sciences, | | | | |
| | Volume 8, Issue 6 | | | | |
| 37. | International Journal for | Jan 2022 | 2321- | Integral Solutions of | 7.538 |
| | Research in Applied | | 9653 | the ternary cubic | |
| | Science & Engineering | | | equation | |
| | Technology, Volume 10, | | | $6(x^2+y^2) - 11xy = 288z^3$ | |
| 20 | Issue I | Ion 2022 | 0074 | Observations On | |
| 50. | Applications in | Jaii 2022 | 6803 | Ternary Quadratic | - |
| | Mathematical Sciences | | 0005 | Fauation | |
| | (UGC CARE LIST 'I' & | | | $3x^2 + 2y - 275z^2$ | |
| | Web of Science). | | | 5 <i>x</i> + 2 <i>y</i> = 2752, | |
| | Volume 21. Issue 3 | | | | |
| 39. | Advances and | Jan 2022 | 0974- | Diophantine Triples | - |
| | Applications in | | 6803 | Involving Square | |
| | Mathematical Sciences, | | | Pyramidal Numbers | |
| | (UGC CARE LIST 'I' & | | | | |
| | Web of Science), | | | | |
| | Volume 18, Issue 12 | | | | |
| 40. | International Journal for | March 2022 | 2321- | Special Dio 3-Tuples | 7.538 |
| | Research in Applied | | 9653 | Involving Square | |
| | Science & Engineering | | | Pyramidal Numbers | |
| | Technology, Volume 10, | | | | |
| <u>/1</u> | International Journal of | April 2022 | 23/18 | Observations On | 1 021 |
| +1. | Scientific Research in | April 2022 | Δ <u>5</u> 40- | Ternary Quadratic | 1.021 |
| | Mathematical and | | т Ј17 | Follation $Q(x^2+y^2)$ | |
| | Statistical sciences | | | $\frac{17xy+4x+4y+16-84z^2}{17xy+4x+4y+16-84z^2}$ | |
| | Volume 9 Issue 2 | | | 17 Xy + 1X + 1y + 10 = 012 | |
| 42. | International Journal of | Aug 2022 | 2348- | Construction of | 1.021 |
| | Scientific Research in | 8 | 4519 | Diophantine Triples | |
| | Mathematical and | | | Involving Hexagonal | |
| | Statistical sciences | | | Pyramidal Numbers | |
| | Volume 9, Issue 4 | | | <u></u> | |
| 43. | International Journal of | Aug 2022 | 2348- | Integral solutions of an | 1.021 |
| | Scientific Research in | , č | 4519 | Exponential | |
| | Mathematical and | | | Diophantine Equation | |
| | Statistical sciences, | | | $25^{x} + 24^{y} = z^{2}$ | |
| | Volume 9, Issue 4 | | | | |
| L | , | 1 | | 1 | |

| 44. | Advances and | Dec 2022 | 0974- | Encryption Technique | - |
|-----|---------------------------|------------|-------|----------------------|-------|
| | Applications in | | 6803 | Involving Ramanujan | |
| | Mathematical Sciences, | | | Prime Numbers Using | |
| | (UGC CARE LIST 'I' & | | | RSA Public Key | |
| | Web of Science), | | | Cryptography | |
| | Volume 22, Issue 2 | | | | |
| 45. | International Journal for | Feb 2023 | 2321- | Formation of | 7.538 |
| | Research in Applied | | 9653 | Diophantine Triples | |
| | Science & Engineering | | | Involving Heptagonal | |
| | Technology, Volume 11, | | | Pyramidal Numbers | |
| | Issue II | | | | |
| 46. | International Journal for | Feb 2023 | 2321- | Diophantine Triples | 7.538 |
| | Research in Applied | | 9653 | Involving Octagonal | |
| | Science & Engineering | | | Pyramidal Numbers | |
| | Technology, Volume 11, | | | | |
| | Issue II | | | | |
| 47. | Aryabhatta Journal of | Jan – June | 0975- | Special Diophantine | 5.856 |
| | Mathematics & | 2023 | 7139 | Triples Involving | |
| | Informatics, Vol 15, No. | | | Octagonal Pyramidal | |
| | 1 | | | Numbers | |
| 48. | Aryabhatta Journal of | Jan – June | 0975- | Some Non-Extendable | 5.856 |
| | Mathematics & | 2023 | 7139 | Special Diophantine | |
| | Informatics, Vol 15, No. | | | Triples Involving | |
| | 1 | | | Heptagonal Pyramidal | |
| | | | | Numbers | |

13. Details of Book Chapters Published:

| S.No | Chapter Name | Book Name & | Year of | Print | eBook |
|------|------------------------|----------------------|-------------|---------|---------|
| | | Volume | Publication | ISBN | ISBN |
| 1. | Integral Solutions of | Recent Advances in | Oct 2021 | 978-93- | 978-93- |
| | the Binary Quadratic | Mathematical | | 5547- | 5547- |
| | Diophantine Equation | Research and | | 178-9 | 179-6 |
| | $x^2 - 2xy - y^2 + 2x$ | Computer Science | | | |
| | +14y=72 | Vol. 2, Chapter 8 | | | |
| 2. | Non-Extendability of | Recent Advances in | Oct 2021 | 978-93- | 978-93- |
| | Diophantine Triples | Mathematical | | 5547- | 5547- |
| | Comprising Centered | Research and | | 178-9 | 179-6 |
| | Square Numbers | Computer Science | | | |
| | | Vol. 2, Chapter 9 | | | |
| 3. | Some Interesting | Emerging Trends in | Dec 2021 | - | 978-93- |
| | Applications Of | Science, Social | | | 5546- |
| | Number Theory | Science, Engineering | | | 016-5 |
| | | and Management-A | | | |
| | | Multidisciplinary | | | |
| | | Approach, Chapter 20 | | | |
| 4. | Some Non- | Explorations in | Nov 2023 | 978-81- | 978-81- |
| | Extendable Special | Diophantine | | 967488- | 967488- |
| | Dio 3-Tuples | Equations, Chapter 5 | | 3-8 | 6-9 |
| | Involving Heptagonal | | | | |
| | Pyramidal Numbers | | | | |
| 5. | Special Dio 3-Tuples | Explorations in | Nov 2023 | 978-81- | 978-81- |
| | Involving Octagonal | Diophantine | | 967488- | 967488- |
| | Pyramidal Numbers | Equations, Chapter 8 | | 3-8 | 6-9. |
| | | | | | |

14. Details of Papers Presented & Conference Attended:

| S.No | Date | Organizer | Name of the | Paper Name |
|------|--|--|---|---|
| | | | Conference | |
| 1. | 10 th & 11 th Feb 2016 | Jamal Mohammed College, Tiruchirappalli | National Conference on Graph theory, Fuzzy Graph theory and their applications | Observations on the Ternary Quadratic Equation $5x^2 + 7y^2 = 972z^2$ |
| 2. | 11 th Dec 2017 | Jamal Mohammed College, Tiruchirappalli | International Conference on Mathematical Methods and Computation | Special Dio 3-tuples for Pentatope Number |
| 3. | Jan 7- 9, 2019 | St.Joseph College, Tiruchirappalli | International Conference on Discrete Mathematics –ICDM 2019 | RelationBetweenLateralSurfaceArea of a Cube &Pyramidal Numbers |
| 4. | Nov 11 & 12, 2021 (online) | Kristu Jayanti College, Bengaluru & Bengaluru North University | National Conference on Recent Trends in Pure and Applied Mathematics | Solution of a Fascinating Exponential Diophantine Equation involving Jarasandha Number of Order 2 |
| 5. | 24-25 March 2023 & online | Srinivasa Ramanujan Centre, SASTRA Deemed University, Kumbakonam | International Conference on Mathematics and its applications In Technology (ICMAT23) | A Strategy for obtaining Digital Signatures and Public key Cryptosystems using Pell's equation with Kronecker symbol |
| 6. | April 28- 30, 2023 & online | Department of Mathematics Dayanand Vedic College, Orai (Jaluan) Uttar Pradesh, India | 24thAnnualConferenceofVijñānaParishadIndiaandNationalSeminaronNewThrustAreasThrustAreasMathematicalSciencesandEngineering(NTAMMSE-2023) | Acquiring Half companion sequences of Diophantine triples inclusive of Gnomonic numbers |

15. Details of Workshops Attended:

| S.No | Year & | Organizer | Title | National . |
|------|--------------------------------------|----------------------|-----------------------------|---------------|
| | Date | | | International |
| 1. | 11.05.2020 | Sree Narayana Guru | Workshop on Mathematical | State level |
| | to | College, Coimbatore | Sciences for CSIR- NET, | |
| | 15.05.2020 | | SET, GATE (Online) | |
| 2. | 24 th & 25 th | New Prince Shri | National Level Workshop | National |
| | July 2020 | Bhavani Arts and | on Revised NAAC | |
| | | Science College, | Accreditation Framework | |
| | | Chennai | for Affiliated. Constituent | |
| | | | Colleges- Online Pedagogy | |
| 3. | 27 th to 29 th | Dnyandeep Mandal's | National Level Workshop | National |
| | September | St.Joseph College of | on how to write Research | |
| | 2021 | Arts and Commerce, | Proposals for M.Phil and | |
| | | Satpala, Virar, | Ph.D Admission (Online) | |
| | | Maharashtra | | |

16. Details of Orientation, Refresher Course, Certificate Course & NPTEL Attended:

| S.No | Date | Title of the Course | Organizer |
|------|-----------------------|-------------------------------|-----------------------|
| 1. | 08.05.2012 to | 74th UGC Sponsored | Bharathidasan |
| | 04.06.2012 | Orientation Programme | University, |
| | | | Tiruchirappalli. |
| 2. | 07.05.2020 to | Certificate Micro Course- | The Open Education |
| | 22.05.2020 | LiDA103 | Resource Universitas |
| | | Certificate of Competency: | (OERu) |
| | | Copyright and Creative | |
| | | Commons Licensing & a | |
| | | Badge | |
| 3. | August- October 2019 | Matrix Analysis with | NPTEL-AICTE |
| | | Applications | |
| | | FDP & ELITE | |
| 4. | August- October 2022 | Descriptive Statistics with R | NPTEL-AICTE |
| | | Software | |
| | | FDP & ELITE+ silver | |
| 5. | January-April 2023 | Advanced Computational | NPTEL-AICTE |
| | | Techniques | |
| | | FDP & ELITE | |
| 6. | 10.02.2023-10.03.2023 | 30 Hours online Certificate | Government of India, |
| | | Course on Research and | Ministry of Education |
| | | Publication Ethics | |
| 7. | July-September 2023 | Introduction to Linear and | NPTEL-AICTE |
| | | Abstract Algebra | |
| | | FDP & ELITE+ silver | |

17. Details of Incharge . Participation in Extracurricular Activities :

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

| Nature of Activity | Period of In charge |
|------------------------------|---------------------|
| Fine Arts In charge | 2016-2017 |
| Department Library In charge | 2016-Till date |
| Department Profile In charge | 2021- Till date |

18. Details of Participation in Consultancy, Training, Development:

| S.No | Development Programme |
|------|---|
| 1. | Certified Microsoft Innovative Educator |

19. Editorial Board Member - Aryabhatta Journal of Mathematics and Informatics.

20. Life time membership - Bharat Ganita Parishad,

Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

21. Details of Research Papers Reviewed:

| No. Of Research Papers Reviewed | : | 76 |
|---------------------------------|---|----|
| No. Of Book Chapters Reviewed | : | 06 |

Reviewer in

- South East Asian Journal of Mathematics and Mathematical Sciences (SCOPUS & UGC CARE LIST).
- Indian Journal of Science and Technology (WEB OF SCIENCE & UGC CARE LIST)
- > Journal of Pharmaceutical Research International (WEB OF SCIENCE).
- > Asian Journal of Mathematics and Computer Research.
- > Journal of Advances in Mathematics and Computer Science.
- > Journal of Scientific Research and Reports.
- > Asian Journal of Advanced Research and Reports.
- Asian Research Journal of Current Science.
- > Asian Journal of Probability and Statistics.
- > American Journal of Applied Mathematics.
- > Asian Journal of Pure and Applied Mathematics.
- > Asian Journal of Research and Reviews in Physics.
- > Asian Research Journal of Mathematics.
- > Asian Basic and Applied Research Journal.
- Book Chapter- Novel Research Aspects in Mathematical and Computer Science (BP International)
- > Book Chapter- New Trends in Physical Science Research (BP International).
- Book Chapter Research Highlights in Mathematics and Computer Science (BP International).
- > Journal of Education, Society and Behavioural Science.
- > Oriental Journal of Physical Sciences.

22. Details of Faculty Development Programme:

No. of Faculty Development Programme attended : 25

23. Details of Webinars Attended:

No. of Webinars attended