

STAFF PROFILE

- 1) Name : Dr.M.Trinita Pricilla
- 2) Designation : Assistant Professor
- 3) Department : Mathematics
- 4) Qualification : M.Sc.,M.Phil.,Ph.D
- 5) Experience : Teaching :16 years 7 months Research :15 years
- 6) Area of Specialization (s) : Topology
- 7) E-mail : sharmila.kennet@gmail.com
- 8) Academic Qualifications:M.Sc.,M.Phil.,Ph.D
- 9) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	4	2
M. Phil.	4	-

10) Research Publications

International

1. I.Arockiarani and M.Trinita Pricilla, On supra Generalized b-closed sets, *Antartica Journal Of Mathematics.*, (2011) 8(2), 115-121.
2. I.Arockiarani and M.Trinita Pricilla, On Supra T-closed sets, *Int.J.Mathematical Archive.*, (2011) 2(8),1376-1380.
3. I.Arockiarani and M.Trinita Pricilla, On Almost contra $g^{\mu}b$ – continuous functions,*Int.J.of Mathematical sciences and Applications*, (2011) 1(3), 1537-1542.
4. I.Arockiarani and M.Trinita Pricilla, Approximately - $g^{\mu}b$ – continuous functions, *Bulletin of Kerala Mathematics Association*, (2011) 8(2) ,293-302.
5. I.Arockiarani and M.Trinita Pricilla, On Completely $g^{\mu}b$ – irresolute functions in supra

- topological spaces, *Int.J.of Mathematical Engineering and science.*, (2012) 1(4) , 72-80.
6. I.Arockiarani and M.Trinita Pricilla, τ^* –Generalized b-Locally closed sets in supra topological spaces, *Int.J.of Computer Application.*, (2012) 2(2) ,206-214.
 7. I.Arockiarani and M.Trinita Pricilla, $g^{\mu}b$ –homeomorphisms in supra topological spaces, *Int.J.of Theoretical and Applied Physics*, (2012) 2(1), 49-60.
 8. I.Arockiarani and M.Trinita Pricilla, On Contra $g^{\mu}b$ – continuous functions and Contra $g^{\mu}b$ irresolute functions, *Int.J.of Advanced Scientific Research and Technology*, (2012) 3(2), 1-7.
 9. I.Arockiarani and M.Trinita Pricilla, Some Stronger Forms of $g^{\mu}b$ – continuous functions, *IOSR Journal of engineering*, (2012) 1(1),111-117.
 10. I.Arockiarani and M.Trinita Pricilla, On Generalized b- regular closed sets in supra topological spaces, *Asian Journal of current Engineering and Maths* (2012) 1(1) ,1-4.
 11. I.Arockiarani and M.Trinita Pricilla, τ^* -generalized b -closed sets in supra topological spaces, *Far East Journal of Applied Mathematics*, (2011) 55(2).
 12. I.Arockiarani and M.Trinita Pricilla, On totally $g^{\mu}b$ – Continuous functions in supra topological spaces, *J. Acad. Indus. Res.* (2012)1 (5), 246-250.
 13. I.Arockiarani and M.Trinita Pricilla, $\pi\Omega$ –Closed and $\pi\Omega s$ –closed set in supra Topological spaces, *Int. J Comp Sci. Emerging Tech.*, (2011) 2(4) ,534-538.
 14. M.Trinita Pricilla and R.Sindhiya, Pairwise bg closed and pairwise $*$ bg -closed set in Bitopological space, *International Journal of Mathematical Archive* (2015) 6(8) ,201-206.
 15. M.Trinita Pricilla and Maggi.I, $\mu\alpha^*$ -closed set and $\mu\alpha^{**}$ -closed set in supra topological spaces, *International Journal of Innovative research in science, Engineering and technology* (2016) 5(6),11558-11562.
 16. S.Pavulin Rani and M.Trinita Pricilla , A note on Various types of continuity via

J_p^μ –closed sets $J_p^{\mu*}$ – closed sets ,*Mathematical Sciences International Research Journal*,(2016) 5(2),183-186.

17. M.Dhanapackiam and M.Trinita Pricilla, A new version of locally closed sets in nano topological spaces, *IARJSET*, 2016 3(7),241-246 .
- 18.M.Dhanapackiam and M.Trinita Pricilla, New class of Nano*generalized b-continuous functions in nano topological spaces, *IJESC*, 2016 6(8),2264-2269 .
- 19.M.Dhanapackiam and M.Trinita Pricilla, Some forms of nano*generalized b-closed maps in nano topological spaces, *IJAR*, 2016 2(9),756-762.
20. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic vague generalized pre-closed sets in neutrosophicvague topological spaces, *International Journal of Mathematics and its Applications*, (2017)5(4), 747–759.
- 21.S.Pavulin Rani and M.TrinitaPricilla,Generalized b closed sets in vague topological spaces,*International Journal of Applied Research*, (2017) 3(7),519-525.
22. S.Pavulin Rani and M.TrinitaPricilla,Vague generalized b continuous mappings,*IJRASET*, (2017)5(8),1408-1418
23. S.Pavulin Rani and M.TrinitaPricilla,Vague contra generalized b continuous mappings, *International Journal for Scientific Research*, (2017)5(7),682-685
24. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic vague generalized pre-continuous and irresolute mappings, *International Journal of Engineering, Science and Mathematics*, (2018) 7(2),228–244.
25. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic Vague Generalized Pre Connectedness in Neutrosophic Vague Topological Space, *International Journal of Mathematics Trends and Technology*, (2018)58(2), 85–93.
26. Mary Margaret. A, Trinita Pricilla. M, On Neutrosophic Vague Generalized Pre Minimal Closed Sets, *International Journal of Scientific Research and Review*, (2018)7(10), 171–179.

27. Mary Margaret. A, Trinita Pricilla. M, A Note OnNeutrosophic Vague P-Spaces And Weak Neutrosophic Vague P-Spaces, *International Journal of Mechanical and Production Engineering Research and Development*, (2018) 8, 1242–1250.
28. Mary Margaret. A, Trinita Pricilla. M, Some Forms of NVGP-Irresolute Mappings, *International Journal of Research and Analytical Reviews*, (2019)6, 24–30.
29. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic Vague Topological Spaces, *Neutrosophic Sets and Systems*, (2019)28, 179–190.
30. Mary Margaret. A, Trinita Pricilla. M, An Application of Neutrosophic Vague Max-Min Composition Technique, *International Journal of Engineering and Advanced Technology*, (2019)9(1), 5586–5589.
- 31 Arulpandy P, Trinita Pricilla M, Some similarity and entropy measurements of bipolar Neutrosophic soft sets, *Neutrosophic Sets and Systems*, (2019)25(1), 174-194.
32. Arulpandy P, Trinita Pricilla M, Reduction of indeterminacy of gray scale image in bipolar neutrosophicdomain, *Neutrosophic Sets and Systems*, (2019)28(1), 1-12.
33. Priya.I, Trinita Pricilla M, Vague generalized semi closed sets in Vague topological spaces, *The International Journal of analytical and experimental modal analysis*, (2019)11(10), 1334-1340.
34. Priya.I, Trinita Pricilla M, Vague generalized semi continuous mappings in topological spaces, *Journal of Information and Computational Sciences*, (2019)9(11), 682-690.
35. Arulpandy P, Trinita Pricilla M, Salt and pepper noise reduction and edge detection using neutrosophic logic, *Computer Science*,(2020) 21(2) , 179-195.
36. Arulpandy P, Trinita Pricilla M, Speckle Noise Reduction and Image Segmentation Based on a Modified Mean Filter, *Computer Assisted Methods in Engineering and Science*, (Online First copy) (2020).
- 37.Anjaline W, Trinita Pricilla M, p-semi closed sets in penta topological spaces,*Infokara Research*, (2020)9(1),1-4.
- 38.Reena Joice P, Trinita Pricilla M, NT123* gp closed set in Nano Tri Star Topological Spaces, *InfokaraResearch*, (2020) 9(1), 65-69.
39. M.Dhanapackiam and M.Trinita Pricilla,A New class of Neutrosophic Nano gb-closed sets in neutrosophic nano topological spaces,*JICS*,(2020)10(10),407-416.
40. M.TrinitaPricilla,A Novel Approach for Neutrosophic vague sets and their execution in Decision Making Problem,*Strad Research*,(2020)7(8),348-354
41. A.Mary Margaret and M.Trinita Pricilla, Application of neutrosophic vague nano topological spaces, *Neutrosophic Sets and Systems*, 2021, 39, 53-69.

42. A.ArulPandy and M.Trinita Pricilla, Bipolar neutrosophic graded soft set and their topological spaces, Neutrosophic Sets and Systems, 2022, 48, 399-416.
43. A.ArulPandy and M.Trinita Pricilla, Bipolar neutrosophic soft generalized pre-continuous mappings, International Journal of Neutrosophic Science, 2022, 16, 101-110.
44. A.ArulPandy and M.TrinitaPricilla , Bipolar neutrosophic soft contra generalized pre-continuous and α -continuous mappings, International Journal of Neutrosophic Science, 2022, 18, 144-157.
45. A.ArulPandy and M.Trinita Pricilla, Bipolar neutrosophic soft generalized pre-closed sets and pre-open sets in topological space, Neutrosophic Sets and Systems, 2022, 49, 471-484.
46. P. Reena Joice and M.Trinita Pricilla, An Introduction to FermateanNeutrosophicHypersoft Topological Space, International Journal of Creative Research Thoughts, , 2022, 10, 24-33.
47. M. Dhanapackiam and M.Trinita Pricilla, On Interval Valued Pythagorean Fuzzy H-Ideals in BCK-Algebra, GIS Science Journal, 2022, 9, 394-399.
48. M. Dhanapackiam and M.Trinita Pricilla, Interval Valued Pythagorean Fuzzy Ideals of BCK-Algebras, Journal of Xi'an University of Architecture Technology, 2022, 14, 151-162.
49. A.ArulPandy and M.Trinita Pricilla, Bipolar neutrosophic graded soft set and their topological spaces, Neutrosophic Sets and Systems, 2022, 48, 399-416.
50. P. Reena Joice and M. Trinita Pricilla, On Generalized Pre Connectedness in FermateanNeutrosophicHypersoft Topological Space, Indian Journal of Natural Science, 2023, 14, 55462-55468.
51. T.VargeesVahini and M. Trinita Pricilla, An Introduction to Micro Vague Topological Space, International Journal of Creative Research Thoughts, 2023, 11, a508-a516.
52. T.VargeesVahini and M. Trinita Pricilla, Generalized β closed sets in Pythagorean neutrosophic vague topological spaces, Indian Journal of Natural Science, 2023, 14, 55440-55444.
53. M. Dhanapackiam and M. Trinita Pricilla, Interval Valued Pythagorean Fuzzy Nano Sets, AIP conference proceeding, 2023, 2587, 070004-1-070004-9.
54. M. Dhanapackiam and M. Trinita Pricilla, Real Life application of IVPF Nano Topological Spaces, samdarshi, 2023, 16, 213-216.
55. M. Dhanapackiam and M. Trinita Pricilla, Interval Valued Pythagorean Fuzzy Prime Ideas of BCK- algebras, Indian Journal of Natural Science, 2023, 14, 55658-55664.
56. T.VargeesVahini and M. Trinita Pricilla, Analyzation of Micro Vague Generalized Semi continuous mappings in Micro Vague Topological Space, TuijinJishu/ Journal of Propulsion Technology, 2024, 45, 1411-1419.
57. T.VargeesVahini and M. Trinita Pricilla, A Hybrid approach of Micro Vague Topological Space Via Neutrosophic Topological space, Neutrosophic Sets and Systems , 2024, 68, 223-245.
58. P.ReenaJoice and M. Trinita Pricilla, On FermateanNeutrosophicHypersoft Sigma BaireSpace, TuijinJishu/ Journal of Propulsion Technology, 2024, 45, 1001-4055.

Nature of Consultancy	Client	Amount	Completion Status
One week Consultancy Training on Functional Analysis	II M.Sc Mathematics Students,KG College of Arts and Science,Coimbatore	1800	Completed

12) Presentations in Conference

International

1. Presented a paper entitled On Ultra Spaces in the International Conference on Mathematics and Computer Science conducted by PG & Research Department of Mathematics,Loyola College on 07.01.2011 and 08.01.2011

13) Participation in Conference

- 1.Participated in the International Conference on Mathematics and Computer Science conducted by PG & Research Department of Mathematics,Loyola College on 07.01.2011 and 08.01.2011
2. Participated in the International Conference on Reviving Traditional food Products of Tamilnadu held at Nirmalala College for Women on 07.01.2023 and 08.01.2023

14) Participation in Seminar

- 1.Participated and presented a paper entitled $\pi\Omega$ and $\pi\Omega_s$ closed sets in supra topological spacesin the UGC sponsored National Seminar on RTAMS-2011 conducted by Nirmala College for Women on 27.01.2011

2. Participated and presented a paper entitled $\supra \Pi$ –Generalized b closed sets in the UGC sponsored National Seminar on Recent Advances in Fuzzy Mathematics and its Applications conducted by Nirmala College for Women on 05.07.2011 & 06.07.2011
3. Participated and presented a paper entitled on $\text{Contra } g^{\mu}b$ - continuous functions in the UGC national level Staff Seminar on Recent Advancements in Pure and Applied Mathematics conducted by Sri Saradha College for Women on 10.02.2012
4. Participated in the Webinar on Seven Gifts of Holy Spirit organized by Catechism and moral instruction, Nirmala College for Women, Coimbatore from 15.06.2020-21.06.2020
5. Participated in the Webinar on the topic "Inner Product Space" & "Complex Analysis" on 06.07.2020 & 10.07.2020 Conducted by Urumu Dhanalakshmi College, Tiruchirapalli.
6. Participated in the Seminar entitled on "A Treat for Physical and Mental Health an Alternative System of Indian Medicine for Human Well being by Bharatheeya Nattu Vaidhya Maha Padashala on 24.02.2023

15) Participation in Workshop

1. Participated in the Two Day Workshop in Topology conducted by Nirmala College for Women on 17.09.2010 & 18.09.2010
2. Participated in the One Day national Level Workshop on Recent Trends in Topology conducted by Coimbatore Institute of Technology on 28.01.2011
3. Participated in the Workshop on Joy of teaching Transforms (Laplace, Fourier and Z) from Engineering perspective conducted by PSG College of Technology on 04.08.2012
4. Participated in the Science Academies Lecture Workshop on New Vistas on Mathematical Modeling conducted by Nirmala College for Women from 13.08.2012-14.08.2012

5. Participated in the Workshop on "Preparation of e- content-design,Editing and Production"organized by Department of Zoology on February 9th and 10th 2016
 - 6.Participated in the Workshop on Outcome based education conducted by IQAC, Nirmala College for Women on 24.03.2018
 7. Participated in the Online Workshop on mathematical Analysis(MATAAN-2020) conducted by Loyola College(Autonomous)Chennai from 08.06.2020 to 13.06.2020
 8. Participated in Lecture Workshop on Linear Algebra:Theory& its Applications, Science Academies organized by Department of Mathematics,Kongu Engineering College,Perundurai from 30.11.2021-03.12.2021
 9. Participated inLecture Workshop on Linear Algebra:Theory& its Applications, Science Academies organized by Department of Mathematics,Kongu Engineering College,Perundurai from 30.11.2021-03.12.2021
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- 16) Participation in Orientation Programme/ Induction Programme/ Short term Courses
 1. Participated in the UGC-Sponsored 118th Orientation Programme conducted by UGC-Human Resource Development Centre,Bharathiar University from 17.11.2017-14.12.2017
 - 2.Participated in the Two Weeks Faculty Development Programme on "MANAGING ONLINE classes and CO-CREATING MOOCS:2.0 conducted by Teaching centre,RamanujanCollege Learning,University of Delhi,Sponsored by MHRD from 18.05.2020 to 03.06.2020
 3. Participated in the UGC-Sponsored Online Refresher Course in Mathematics conducted by UGC-Human Resource Development Centre,Bharathidasan University from 25.11.2020-08.12.2020
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- 17) Participation in Faculty Development Programme
 1. Participated in the Faculty Development Program on Probability and Queueing Theory

conducted by Sri Eshwar College of Engineering from 29.11.2012 – 02.12.2012

2. Participated in the Faculty Enrichment Program on Lattice Minerva conducted by Jansons Institute of Technology from 04.03.2013 – 06.03.2013

3. Participated in the Faculty Development Program on Environment Audit of Infrastructure, Extension Activity and Institutional Social Responsibility organized by IQAC, Nirmala College for Women on 30th October 2015

4. Participated in the Faculty Enrichment Program on Internet of things conducted by the Department of C.Sc, IT and BCA, Nirmala College for women on 24.02.2018

5. Participated in the Faculty Enrichment Program on Photoshop conducted by the Department of C.Sc, IT and BCA, Nirmala College for women from 21.03.2018 – 22.03.2018

6. Participated in the five days online certificate course and assessment on “Strategies to address the soft skill gap” organized by International Journal of Advance Study and Research work from 27.04.2020-01.05.2020

7. Participated in the Online FDP on exposure in Moodle learning Management System conducted by Kaypeeyes College of Arts and Science, Kotagiri, Nilgiris from 29.04.2020 to 01.05.2020

8. Participated in the Online FDP on Educational Analytics conducted by School of Management, Kristu Jayanthi College, Bengaluru from 02.05.2020 to 09.05.2020

9. Participated in the One week National level online Faculty Development Programme in R Language conducted by the Auxilium College (Autonomous), Vellore, Tamilnadu, in collaboration with Spoken-Tutorial Project, IIT Bombay, funded by National Mission of Education through ICT, MHRD, Govt. of India from 13.05.2020 to 20.05.2020

10. Participated in the Online FDP on Educational Analytics conducted by School of Management, Kristu Jayanthi College, Bengaluru from 02.05.2020 to 09.05.2020
11. Participated in the Online FDP on exposure in Moodle learning Management System conducted by Kaypeeyes Colleg of Arts and Science, Kotagiri, Nilgiris from 29.04.2020 to 01.05.2020
12. Participated in the FDP on "Artificial intelligence and Machine Learning in Biological Data Analysis" conducted by Department of Computer Science and Computer Application, PSGR Krishnammal College for Women, Coimbatore on 29.03.2021
13. Participated in the five days FDP on "The Future Technology: Artificial intelligence" conducted by Kings Engineering College, Chennai from 24.05.2021 to 28.05.2021
14. Participated in a 15 hour long Faculty Development Program on "Fundamentals of AI and ML" organized by ICT Academy from 10.05.2021 - 14.05.2021
15. Participated in the five days FDP on Mathematical Tools conducted by Hindusthan College of Engineering College, Coimbatore from 21.06.2020 to 25.06.2020
16. Participated in the Faculty Development Programme on MATLAB and its Applications conducted by Dr. N.G.P Institute of Technology from 07.06.2021-12.06.2021
17. Participated in the Faculty Development Programme on Data Science conducted by E & ICT Academy, IIT, Kanpur from 28.06.2021 to 03.07.2021
18. Participated in the Faculty Development Programme on LaTeX from 17.06.2020 to 21.06.2020 organized by Nirmala College for Women, Coimbatore.

- 19.Participated in the Five Day Online Faculty Development Program on “New Pedagogies:
Creative Learning & Creative Teaching – A Futuristic Approach” organised by Dashmesh
Khalsa College, Zirakpur from 20.06.2020 to 24.06.2020
- 20.Participated in the three Days National Level Faculty Development Program (FDP) on
“Knowledge Engineering” organized by Sarah Tucker College,Tirunelveli from 06.07.2020 to
08.07.2020
21. Participated in the five days FDP on "The Future Technology:Artificial intelligence”
conducted by Kings Engineering College,Chennai from 24.05.2021 to 28.05.2021
22. Participated in a 15 hour long Faculty Development Program on “Fundamentals of AI and
ML” organized by ICT Academy from 10.05.2021 - 14.05.2021
23. Participated in the One Week FDP Workshop on e-content Skill Development Organized by
Department of Mathematics,Coimbatore from 14.06.2021-19.06.2021
- 24.Participated in the Faculty Development Programme on MATLAB an its Applications
conducted by Dr.N.G.PInstiute of Technology from 07.06.2021-12.06.2021
25. Participated in the One Week FDP workshop on e-content skill Development conducted by
Department of Mathematics,Nirmala College for Women,Coimbatore from
14.06.2021-19.06.2021
26. Participated in the Faculty Development Programme on Datascience conducted by E & ICT
Academy, IIT,Kanpur from 28.06.2021 to 03.07.2021
27. Participated in the One Week International Faculty Development Programme on

Mathematics in Real, Applied & Computational Domains organized by Department of Mathematics, Sathyabama University of Science & Technology, Chennai from 03.07.2023 to 08.07.2023

28. Participated in the ten day National Level Virtual Faculty Development Program on Indian Knowledge System on the topic unveiling the Treasures – Vedic Mathematics organized by KG Collge of Arts and Science, Coimbatore from 20.05.2024 –31.05.2024

29. Participated in the Faculty Development Program on R Programming for Budding Data Analyst organized by Research Foundation of India and RFI-Care from 09.06.2024-18.06.2024

30. Participated in the one week Virtual Faculty Development Program on Transforming Education with Artificial Intelligence :A Faculty Development Journey organized by KG Collge of Arts and Science, Coimbatore from 22.07.2024 –26.07.2024

18) Conference/ Seminar/ Workshop Organized

- Organized National Seminar on “Echo of Mathematics” on 12.02.2016.
- Organized One day seminar on “Fundamentals on Complex Analysis” on 10.10.2017.
- Organized Symposium on Analysis, on 06.12.2017.

- Organized A one day National Seminar “Trends and Challenges in MathematicalModelling”, on 05.01.2018.
- Organized Symposium on Algebra, on 10.02.2018.
- Organized One day seminar on “Differential Equations” on 01.03.2018.
- Organized One day Symposium on Analysis, on 01.02.2019.
- Organized One day Lecture Workshop on Differential Equations on 02.02.2019.
- Organized Lecture workshop on Complex Analysis on 02.03.2019.
- Organized A one day National Seminar “Recent Trends in Graph Theory (RTGT2019)”, on 21.02.2019.
- Organized National Seminar -a New Cognitive Approach to real life problems viaMathematics on 05.12.2019.
- Organized Symposium on Analysis on 27.02.2020.
- Organised Three days webinar on “Breaking Barriers through Brains” from 18.5.2020-20.05.2020
- Organized a two day Faculty Devlopment Programme on Online Teaching Methods from 20.05.2020 to 21.05.2020
- Organized a Guest Lecture on the topic Applications of Mathematics on 27.10.2020
- Organized an Association Meeting on the topic Differential Equations in Geometric Approach on 09.03.2021
- Organized an Guest Lecture on Soft Skills- Personaiity Development Program on 03.07.2021
- Organized anTwo Days hands on training in data Analytics with R from 17.08.2021 to 18.09.2021

- organized 15 day certificate Course on Banking & PSC Examinations from
27.02.2023-17.03.2023