

CURRICULUM VITAE



Name : Mrs.G.Megala
Qualification : M.Sc.,M.Phil.,(SET).,
Department : PG and Research Department of
Mathematics
Present position held : Guest Lecturer
D.O.B : 31.08.1989
Permanent address : 3-190, Priyar Colony, N G O Colony,
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Educational Qualification

Degree	Year of Passing	Subject	Institution	Marks/Grade/Class-obtained
Ph.D	pursuing	Mathematics	Mother Theresa Women's University, Kodaikanal	–
SET	2017	Mathematics	Mother Theresa Women's University, Kodaikanal	–
M.Phil	2013	Mathematics	Madurai Kamaraj University Evening College, Dindigul.	75.6%
M.Sc.,	2012	Mathematics	Sri Meenakshi Government College for Women, Madurai	90.15%

TOTAL TEACHING EXPERIENCE AS ON JULY 2021

Under graduate - 11 Years

Post Graduate - 11 Years

FIELD OF SPECIALIZATION (PG):

- ❖ Probability Theory and Statistics.
- ❖ Measure & Integration.
- ❖ Graph Theory.
- ❖ Linear Algebra.
- ❖ Calculus of Variations and Integral Equations
- ❖ Topology

FIELD OF SPECIALIZATION (UG):

- ❖ Operations Research I.
- ❖ Operations Research II.
- ❖ Modern Algebra.
- ❖ Complex Analysis.
- ❖ Real Analysis I.
- ❖ Real Analysis II.
- ❖ Discrete Mathematics.
- ❖ Sequence and series.
- ❖ Analytical Solid Geometry 2D & Fourier Series.
- ❖ Allied Mathematics I.
- ❖ Calculus

❖ Vector Calculus and Fourier Transform

WORKING EXPERIENCE:

S.No.	COLLEGE	DESIGNATION	PERIOD
1	M.V.Muthiah Government Arts College For Women, Dindigul.	Guest Lecturer	07.11.2012 to till date

RESEARCH GUIDANCE

S.No.	Degree	Total Number of Students
1	M.Sc., Project	8

PATENT PUBLICATION:

❖ **Indian Patent IPR #:** CBR number: 204612 Application number 368893-001
PORTABLE FACE MASK DETECTING DEVICE INTEGRATED WITH TOUCH
FREE SANITIZER DISPENSER. Applied date: 06/08/2022.

❖ **Indian Patent IPR #:** CBR number: 204618 Application number 368895-001
NANOTECHNOLOGY BASED OIL REMOVING ROBOT FROM WATER. Applied
date: 06/08/2022.

❖ **Indian Patent IPR #:** CBR number: 207824 Application number 373302-001
AUTOMATED MANUFACTURING PRODUCT QUALITY CONTROL CHECK
SYSTEM. Applied date : 31/10/2022.

❖ **Indian Patent IPR #:** CBR number: 207936 Application number 373516-001 SOLAR
STEEL HELMET. Applied date : 03/11/2022.

RESEARCH PAPERS PUBLISHED IN INTERNATIONAL/ NATIONAL JOURNALS

S.No.	Title of the Paper	Name of the Journal	Vol./No./Year/Page No.
1	Super Triangular Graceful Labeling of the Graphs	MVM Journals of Research	Vol.1, 2014, pp.118-128.
2	A study on triangular prime total labeling of graph	Journal of applied science and computations	Vol. 5, Issue 7, 2018, pp. 13-19.
3	Comprehensive study on prime combination labeling of graphs	Indian Journal of Natural Sciences	Vol.67, Issue 2, 2021.
4	k-Triangular Prime Cordial Labeling of Maximal Outerplanar Graphs	Jnanabha	Vol. 52, Issue 2, 2022, 126-137.

List of Conference Presented:

1. Presented in 2 days online seminar on “**Proceedings of the International Seminar on Emerging Trends in Graph Theory: Topological Symmetric Difference – Valued Graphs**”, Organized by Ayya Nadar Janaki Ammal College, Sivakasi, held on 2nd and 3rd Jun 2022.

List of Faculty Development Programme/ Workshop/ Webinars/ Seminar/ Conference/ STTP / Symposium Programme :

1. Participated in the Webinar on “**Qualitative Analysis of Differential Equation and its Applications**” Organized by G.T.N. Arts College, Dindigul, held on 21st May 2020.
2. participated in one week online Faculty Development Program on “**Challenges and Opportunities in Recent Emerging Technologies**” held from 6 to 10 July 2020, Sponsored by TEQIP-III and organized by Department of Chemical Engineering, SGGSI&T, Nanded, Maharashtra (India).
3. completing the Online Faculty Development Programme on “**Appraisal of Mathematical Learning Outcomes in Cybergogy Environment**” organized by the Department of Mathematics, Arul Anandar College (Autonomous), Karumathur 625514, Madurai Dt. from 15.07.2020 to 17.07.2020.
4. attended An International webinar on “**Green Fuels: Novel Catalytic Synthesis**” Department of Chemical Engineering, Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra - 283105 held on 18th July 2020.
5. participation in National webinar on “**Application of different branches of Physics in daily life**” (NWADBP-2020) in association with IAPT RC 09, Swami Vivekanand Government College Susner, Dist- Agar (M.P.) during 18-19 July 2020.

6. participated in the **National Webinar on “Sensor Materials and Applications”** organized by the Department of Physics, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai - 600 048, Tamilnadu, India held on 26th Jul 2020.

7. Attended **webinar on “Digital Business Leadership”** on 31st July 2020 organized by Sri Eshwar College of Engineering, Coimbatore.

8. Attended **Webinar on “Creating safe communities for women and children during disaster”** organized by national institute of disaster management (NIDM), ministry of home Affairs, Government of India in Collaboration with International Justice Mission held on 5th August 2020.

9. Participated in an **International webinar on “Thani manitharum shamuga mattaram”** organized by Department of Chemistry, PSNA College of Engineering and Technology, Dindigul on 14.08.2020.

10. Attended **webinar on “Study Engineering with learn by Doing Practices”** on 14th August 2020 organized by Sri Eshwar College of Engineering, Coimbatore.

11. attended the AICTE sponsored 6-day **online STTP (Series II) on “Outcome based Curriculum Planning, Mapping and Measurement”** SRI KRISHNA COLLEGE OF TECHNOLOGY, Coimbatore from November 30 - December 05, 2020.

12. Attended in the **“Internet in Classroom Instructions”** conducted by Ponkalamman College of Education, karur on 12th Feb 2021.

13. Participated in the online National Webinar on **“Innovations in Learning and Teaching”** conducted by Ponkalamman College of Education, karur on 19th Feb 2021.

14. Participated in the Virtual Workshop on **“Scientific Documentation Through Latex”** organized by PG & Research Department of Physics, Government College for Women (Autonomous), Kumbakonam on 27th Feb 2021.

15. Participated in one day National Webinar on **“Optical and Electrical Modeling & Simulation for Organic Semiconductor Devices using SETFOS S/W”** Organized by School of Studies in Electronics & Photonics Institute of Renewable Energy Technology & Management

pt. Ravishankar Shukla University, Raipur (C.G) Impulse Technology, Gurugram, Haryana on Feb 5, 2021.

16. Attended in the “**Ten days online faculty development program on Teaching Learning and Assessment**” organized by Teaching Learning Centre, Central University of Rajasthan (TLC@CURaj) under the Scheme of Pundit Madan Mohan Malaviya National Mission on Teachers and Teaching, conducting during the 15th -25th Mar 2021.

17. Participated in **International webinar** on “**Injectable Hydrogels for Biomedical Applications**” Organized by Kumaraguru College of Technology, Coimbatore, on 24th Apr 2021.

18. Participated in the Webinar on “**N-LIST E-Resources for Academic Proficiency & Research Efficiency**” organized by the Central Library of M. V. Muthiah Government Arts College for Women, Dindigul on 19th Apr 2021.

19. Participated in the Webinar on “**Building Smart Money Habits**” Conducted by Arasu College of Arts and Science for Women, on Apr 22, 2021.

20. Participated in the Webinar on “**Intellectual Property Rights**” organized by the Internal Quality Assurance Cell of M. V. Muthiah Government Arts College for Women, Dindigul on 26th Apr 2021.

21. Participated in National level one week **faculty development programme** on research methodology from 26th april to 1st may 2021 organized by Amar Sewa Mandal’s Kamla Nehru Mahavidyalaya, Nagpur.

22. Completed Faculty Development Program and submitted Action Research Project Report on “**Building Emotional Intelligence and Resilience Case Method of Experiential Teaching and Learning**” organized by Faculty Development Centre, Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Human Resource Development, Govt. of India, Hyderabad, conducting during the 8th -14th May 2021.

23. Participated in the one day National level Webinar on “**Parent Drafting Skills for Researchers and Academicians**” organized by PG & Research Centre of Commerce, G.T.N Arts College (Autonomous), Dindigul on 31st May 2021.

24. Participated in the National Webinar on “**Climate Smart Benefits of Bamboo to Protect the Environment**” organized by the Guru Nanak Centre for Research (GNCR), in association with the The Organization for Industrial, Spiritual and Cultural Advancement (OISCA) International - GURU NANAK COLLEGE CHAPTER, Guru Nanak College (Autonomous), Chennai, held on 5th Jun 2021.
25. Participated in the National Webinar on “**Recent Developments for Chemistry Teachers**” organized by the Department of Applied Chemistry, Karunya Deemed University, Coimbatore, Tamilnadu, India on 5th Jun 2021.
26. Participated in a One Day National Webinar on “**Hybrid 2D Metal-Halide Perovskite for Optoelectronic Applications**” organized by the Department of Physics, AMET (Academy of Maritime Education and Training), Deemed to be University, Chennai, on 7th Jun 2021.
27. Participated in Three Days National Online FDP on “**ICT Tools for Effective Teaching Learning**” organized by IQAC, Kamla Nehru Mahavidyalaya, Nagpur, from 8 to 10th Jun 2021.
28. Participated in National Level Questionpro on “**Online Teaching and Learning Method**” organized by the Department of Computer science, Kamla Nehru Mahavidyalaya, Nagpur on 9th Jun 2021.
29. Participated in the International Webinar entitled “**New Trends in the Applications on Algebra**” organized by Department of Mathematics, Valluvar College of Science and Management, Karur, held on 9th Jun 2021.
30. Participated in the National Workshop on “**Modern Trends in Research and Statistics**” organized by Department of Physical Education, G.T.N. Arts College, Dindigul on 11th Jun 2021.
31. Participated in a Two Days Online National Webinar on “**A Mental Health Awareness Campaign**” – Just Attention Seeking? conducted by Ponkalamman College of Education, karur on 11th Jun 2021 and 12th Jun 2021.
32. Participated in the online training programme on “**Futuristic Research in Disaster Resilience**” organized by the Department of Civil Engineering, Vidyavardhaka College of

Engineering, Mysuru in collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India during 11th to 13th Jun 2021.

33. Participated in the **8-Day National Level Online Faculty Development Program on “How to make Teaching Learning Process Effective & Outcomes based”** organized by Department of Commerce in association of Indian Agricultural Research Institute, Indore, India held during 14th Jun to 21st Jun 2021.

34. Participated in the Online Webinar on **“Recent Trends in the Application of Roman Spectroscopy”** Organized by St. Antony’s College of Arts and Sciences for Women, Dindigul, on 7th Jun 2021.

35. Participated in the Workshop cum Faculty Development Programme on **“Intellectual Property Rights”** [Virtual Mode] on Overview of IPR – Economics & Legal Framework, Patents & Designs, Trademarks, Geographical Indicators, Copyrights, Scope of IPR for Educational Institutions, Academicians, Professionals for 14th Jun 2021 to 18th Jun 2021 [**5 Days**] Organised by the Internal Quality Assurance Cell [IQAC], Post Graduate & Research Department of Commerce, The New College [Autonomous] in association with the Internal Auditing & Assurance Standards Board [IAASB], The Institute of Cost Accountants of India.

36. Attended the Webinar on **“Role of Homoeopathy in Management of Covid-19”** held on 26th Jun 2021, organized by Parvathy’s Arts & Science College, Dindigul.

37. Participated in the **one week online international faculty development programme on “Facets of Teaching”** organised by Centre for National and International Academic Collaborations, Tamil Nadu Teachers Education University, Chennai in association with Lakshmi College of Education, Gandhigram, Dindigul, from 14th Jun 2021 to 20th Jun 2021.

38. Completed the Online Faculty Development Program on **“Advanced Manufacturing Technology”** organized by Department of Mechanical Engineering, Karpagam College of Engineering, Coimbatore, from 15th Jun 2021 to 19th Jun 2021.

39. Participated in the faculty development program on **“Scientific paper writing for newbies: Nuances, tools and techniques”** organized by the Guru Nanak Centre for Research (GNCR), Guru Nanak College (Autonomous), Chennai held on 19th Jun 2021.

40. Participated in the **Six day Online Faculty Development Program on “Application of Mathematics in Science and Technology”** organized by Department of Science and Humanities, Narasu’s Sarathy Institute of Technology, Salem from 21st Jun 2021 to 26th Jun 2021.

41. Participated in the two-day National Level Technical Online Workshop on “**Intellectual Property Rights**” held at Tamilnadu State Council for Science and Technology and Research and Development Cell, G.T.N. Arts College (Autonomous), Dindigul conducted during 21st and 22nd of Jun 2021.

42. Participated in the State-Level Webinar on “**Graphs from Algebraic Structures and its Applications**” organised by the Department of Mathematics (Aided), Sadakathullah Appa College (Autonomous), Tirunelveli on 22nd Jun 2021.

43. Participated in the “**International Seminar on Network Security and Cryptography**” organized by the Department of Commerce, SRM Institute of Science and Technology, Ramapuram, Chennai held on 26th Jun 2021.

44. Attended the One Day Webinar on “**Role of Homoeopathy in Management of Covid-19**” organised by Department of Chemistry, Parvathy’s Arts and Science College, Dindigul, held on 26th Jun 2021.

45. Participated in One Day **National e-Conference on “Soft Skills**” organised by Department of English and Zoology, Azad Mahavidyalaya, Ausa on 27th Jun 2021.

46. Participated in the International Conference on “**Advanced Mathematical Modeling and Computational Techniques**” organized by the Department of Mathematics, AMET Deemed to be University, Chennai, during 28th to 30th Jun 2021.

47. Participated in **five days “National Level Virtual Faculty Development Program on Graph Theory**” organized by Department of Science in Collaboration with IQAC, Christ College of Science and Management, Karnataka held from 29th Jun 2021 to 3rd Jul 2021.

48. Participated in the “**Five Days e-Workshop on LaTeX**”, organized by the Department of Mathematics, School of Science, Gandhi Institute of Technology and Management (GITAM), Bengaluru, India, held from 5th to 9th Jul 2021.

49. Participated in **One week National Level Faculty Development Programme on “Transformation in Indian Education through New Education Policy- Challenges and Opportunities”** organised by Government First Grade College for Women, Balmatta, Mangaluru in association with St Aloysius College (Autonomous), Mangaluru from 5th Jul 2021 to 11th Jul 2021.

50. Participated in the NAAC Sponsored National Webinar on “**The Impact of Covid-19 Pandemic Crisis on Higher Education Institutions in Karnataka and its Challenges**” (ICPCHEIKC-2021) organized by Internal Quality Assurance Cell (IQAC), HKE Society’s, Shri Prabhu Arts, Science and J. M. Bohra Commerce Degree College, Shorapur, District; Yadgiri, Karnataka held on 20th Jul 2021.

51. Participated in the “**National Online Webinar Series**” held at G.T.N. Arts College, Dindigul conducted on 21st Jul 2021.

52. Participation in One Day National e-Conference on “**Intellectual Property Rights**” organised by Internal Quality Assurance Cell, Azad Mahavidyalaya, Ausa on 3rd Aug 2021.

53. Participated in the International Webinar on “**Synthetic Methods of Nano Particles and their Interesting Properties**” organised by department of Physics / Chemistry in association with Internal Quality Assurance Cell, MGVC Arts, Commerce and Science College, Muddebihal on 4th Aug 2021.

54. Participated in “**Virtual International Conference On Multifunctional Advanced Materials (VICMAM-2021)**” organized by Department of Chemistry, JVM’s Degree College in collaboration, Maharashtra, with Association of Chemistry Teachers (ACT) on 9th and 10th Aug 2021.

55. Participated in the one day webinar on “**Collision of Environmental Pollution on Organisms and Circumambient**” organized by Department of Zoology, M.V. Muthiah Government Arts College for Women, Dindigul on 10th Aug 2021.

56. Participated in One Day Online National Webinar entitled “**The Importance of Data Visualization**” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education on 10th Aug 2021.
57. Two day National Webinar on “**Dominations in Graphs**” organized by PG and Research Department of Mathematics, C. Abdul Hakeem College (autonomous), Melvisharam, on 17th and 18th of Aug 2021.
58. National Webinar on “**Real and Complex Analysis**” organized by PG and Research Department of Mathematics, K. M. G. College of Arts and Science, Gudiyattam, held on 25th Aug 2021.
59. attended the NAAC Sponsored One-day Online Seminar on “**Qualitative & Quantitative Metrics in RAAF of NAAC**” conducted on 17-Sep-2021, organized by Rajalakshmi Engineering College, Chennai.
60. participation in an International Webinar on “**Earth-abundant and Ultra-low Cost Metal Sulfo-Selenides for Photovoltaic Application**” organised by PG Department of Physics, G. T. N. Arts College (Autonomous), Dindigul on 29th September 2021.
61. participation in “**One Week Yoga Training for Wellness**” Jointly organized by Department of Physical Education & Sports and Department of Physics, Azad Mahavidyalaya, Ausa, Dist. Latur from 15-21, September 2021.
62. Attended the 5-day Online **International STTP on “Application of Field Theory & Power Electronics in the Field of Power Engineering”** during 20th – 24th Sep 2021, organized by Budge Institute of Technology, Kolkata.
63. One-day Online Workshop on “**Research Methodology**” organized by Mother Teresa Women’s University, Kodaikanal, held on 27th Sep 2021.
64. One Day National Webinar on “**English Language and Allied Skills for employability**” organized by Department of English at Rajarshi Shahu Mahavidyalaya, Latur, held on 8th Oct 2021.

65. Two Day National Webinar on “**Applications of Graph Theory and Communication Technology**” organized by PG and Research Department of Mathematics, C.Abdul Hakeem College (autonomous), Melvisharam, on 11th and 12th Oct of 2021.
66. One-day Online webinar on “**Geometric Aspects of Real Analysis and it’s Applications**” conducted by the Department of Mathematics, Sacred Heart College of Arts and Science, RMTCC Colony, Dindigul on 29th Oct 2021.
67. One day International Webinar on “**Multiplicative Inverse Functional Equations and their Applications**” organized by the PG and Research Department of Mathematics, St. Joseph’s College of Arts and Science, Cuddalore, held on 29th Oct 2021.
68. participation in One Day National Symposium on “**Research Paper Writing and it’s Publication**” Jointly organized by Azad Mahavidyalaya, Ausa, Dist. Latur and ASC College, Naldurg on 13 October 2021.
69. participated in the Two day International Virtual Conference on “**Contemporary Problems and Prospects of Librarians and Information Centres**” organized by Central Library and Department of Library and Information Sciences, G.T.N Arts College, Dindigul and Central Library, M.V.Muthiah Govt. Arts College for Women, Dindigul on 28th and 29th Nov of 2021.
70. One day Webinar on “**Applications of Number Theory in Cryptography**” organized by Department of Mathematics, School of Basic Sciences,VELS Institute of Science, Technology and Advanced Studies (VISTAS) held on 18th Dec 2021.
71. National workshop on “**Mathematical Insight – Biological Problems**”Organized by the PG and Research Department of Mathematics, Sri Sarada College for Women, Salem held on 23rd Feb 2022.
72. participated in the Six Days FDP on “Design, Optimization and Manufacture of Materials” organized by the Department of Mechanical Engineering, SSN College of Engineering, Chennai from 07-03-2022 to 12-03-2022.
73. participation in the webinar on “**Magnetic Materials**” organized by Department of Physics, Sri Meenakshi Govt.Arts College for Women (A), Madurai on April 30,2022.

74. International One Week Faculty Development Programme on “**Research Methodology**”, Organized by Amar SewaMandal’sKamla Nehru Mahavidyalaya, Nagpur, Maharashtra, held on 2nd May 2022 to 7th May 2022.

75. National One Week Faculty Development Programme on “**ICT Tools for Effective Teaching and Learning**”, Organized by Amar SewaMandal’sKamla Nehru Mahavidyalaya, Nagpur, Maharashtra, held on 23rd May 2022 to 28th May 2022.

76. International Webinar “**Research Ethics and Quality Publications**” Conducted by Office of Dean (Research), Crescent Institute of Science and Technology, Vandalur, Chennai on 28th May 2022.

77. One day Webinar on “**Graph Theory – Partition Problem**” Organized by Department of Mathematics for Excellence, Institute of Science and Humanities, SIMATS School of Engineering, SIMATS, Thandalam, Chennai, 7th Jun 2022.

78. participated in the ISTE Sponsored 1st International Conference on “**Recent Innovations in Mechanical Artificial Intelligence and Bio-Mechanical Engineering - ICRIMAIBE 2022**” organized by Department of Mechanical Engineering. Navodaya Institute of Technology, Raichur held virtually on 29th and 30th July 2022.

79. International Webinar on “**Innovative Domination and Coloring in Graphs**” Conducted by SIMATS School of Engineering, Chennai on 16th Sep 2022.

80. International Two Week Faculty Development Programme on “**Current Trends in Applications of Mathematics**”, Organized by Vel Tech Rangarajan Dr, Sagunthala R&D Institute of Science and Technology, Chennai held on 21st sep 2022 to 4th Oct 2022.

81. National Webinar on “**Centre for Nanoscience and Nanotechnology & Centre of Excellence in Energy Research**” Organized by on 11th November 2022.

82. Five day Faculty Development Programme on “**Algorithmic Graph Theory**”, Organized by Vellore Institute of Technology, Chennai, held on 26th Dec 2022 to 30th Dec 2022.

83. K. Annadurai and G. Megala, Super Fibonacci Prime Graceful Labeling of Graph, Two days International Conference on “**Essence of Mathematics and Engineering Applications**” held at Konero Lakshmaiah Education Foundation, Gundur on 9th Dec 2022 and 10th Dec 2022.

84. K. Annadurai and G. Megala, Lucas Prime Graceful Labeling of Cycle Pendant Coconut Graphs, Three day International Conference on “**Applied Mathematical Models**” held at PSG College of Technology, Coimbatore on 4th Jan 2023 to 6th Jan 2023.

85. International Webinar on “**Breaking Barriers in Science**” Organized by Kamla Nehru Mahavidyalaya, Nagpur on 14th Feb 2023.

86. Webinar on “**Cyber Security: Protecting Yourself in the Digital Age**”, Organized by The Institution of Engineers, India, held on 13th Jun 2023.

87. Five-Days Online FDP on “**Discrete Mathematics**” Organized by School of Advanced Sciences, Vellore Institute of Technology, Vellore, from 13th Jun 2023 to 17th Jun 2023.

88. Two Weeks National Level Virtual Workshop on “**Advanced Research Methodology**”, Conducted by SRM Institute of Science and Technology, Chennai, held on 3rd Jul 2023 to 18th Jul 2023.

89. Five-Days FDP on “**Data Literacy with Tableau**”, Conducted by The Tamil Nadu Skill Development Corporation, Government of Tamil Nadu, from 24th Jul 2023 to 28th Jul 2023.