



Profile

Dr. V. RAMACHANDRAN

*Assistant Professor
PG and Research Department of Mathematics
Mannar Thirumalai Naicker College
Pasumalai, Madurai- 625004
Email: me.ram111@gmail.com
Mobile: +918300128546*

I. Personal profile

Date of birth: 01.05.1983

Sex: Male

Date of Appointment: 17/02/2016

Address: 10, Marudhu Pandiyar st,
Thirunagar,
Madurai- 625004.Indian

Education details

August 2015 **Doctor of Philosophy in Mathematics (Graph Theory)**
Manonmaniam Sundaranar University, Tirunelveli, India.

Dissertation ***One modulo N graceful labelling of graphs***

**Research advisor: Dr. C. Sekar, Associate Professor of Mathematics, Aditanar
College of Arts and Science, Tiruchendur, India.,**

Summary of PhD work My PhD work formulated a new concept as **One modulo N graceful** where N is any positive integer. In the case $N = 2$, the labelling is odd graceful and in the case $N = 1$ the labelling is graceful. We establish some interesting results based on the concept one modulo N graceful labelling of arbitrary supersubdivision of Paths, Cycles, disconnected graphs and supersubdivision of Ladders and thereby we settle one of the conjectures and partially settled one of the problem posed by G.Sethuraman and P.Selvaraj. We classify the graphs into two main divisions. Cycle related graphs and acyclic graphs. We prove one modulo N graceful labelling of cycle related graphs and acyclic graphs. Also we introduce a new concept called graceful index of a graph in the conclusion part and we leave it for further research. We prove one modulo N graceful labelling of some special type of graphs namely Splitting graphs, Subdivision of double triangular snakes and H-class graphs.

May 2008 Master of Philosophy in Mathematics (First class 67.5%)
Alagappa University, Karaikudi, India.

April 2005 Master of Science in Mathematics (First class 75.3%)
Aditanar College of Arts and Science,
(Manonmaniam Sundaranar University), Tiruchendur., India.

April 2003 Bachelor of Science in Mathematics (First class 73.8%)
St.Xavier's College (Manonmaniam Sundaranar University), Palayamkottai., India.

(II) TEACHING EXPERIENCE:

17/02/2016– till date

Assistant Professor of Mathematics, Mannar Thirumalai Naicker College, Madurai,

05/06/2013 – 15/12/15

Assistant Professor of Mathematics, PSR Engineering College, Sivakasi,

01/07/2009 - 31/05/2013

Assistant Professor of Mathematics, S.Veerassamy Chettiyar College of Engineering and Technology, Puliangudi,

01/07/2007 - 30/06/2009

PG Assistant in Mathematics, Dharani Matric.Hr.Sec.School, Vasudevanallur,

Orientation/ Refresher Course Attended (other than MTNC):

| S.No | Orientation/ Refresher Course | Theme | Name of the Institution/University | Month and Year |
|------|-------------------------------|---------------------------|--|--------------------------|
| 1 | Orientation Programme | -- | UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli. | 15/11/2017 to 12/12/2017 |
| 2 | Refresher Course | Environmental Sciences | UGC-Human Resource Development Centre, Andra University, Visakhapatnam | 21/09/2020 to 4/10/2020 |
| 3. | Refresher Course | Research Methodology | UGC-Human Resource Development Centre, Bharathiar University | 29/12/2021 to 11/01/2022 |

Books/Reports/Chapters/General articles etc:

| S.No | Title | Author'sName | Publisher | ISBN number | Year ofPublication |
|------|---|--|---------------------|-------------------|--------------------|
| 1 | Proceedings of the National Conference on Present Scenario in Graph Theory (PSGT- 2016)- Edited | Dr.V. Perumal & Dr. V. Ramachandran | Shanlax Pulications | 978-93-85977-68-8 | 2016 |

(III) RESEARCH EXPERIENCE:**Research Guidance**

| S.No. | Research Level | Guiding | Submitted | Awarded |
|-------|----------------|---------|-----------|---------|
| 1 | M.Phil | -- | -- | 7 |
| 2 | Ph.D | 3 | 1 | 1 |

Publications (List of papers published, in year wise descending order):

| S.No. | Title of the paper | Name of the Authors | Name of Journal | Month & Year | ISSN | Volume & Issue | Impact factor | ID Indexed in Scopus, Web of Science, Pub med / |
|-------|---|---------------------------------|--|--------------|-------------|----------------------|---------------|---|
| 1. | M modulo N Graceful Labeling on Arbitrary Super Subdivision of Ladder Graph | C.Velmurugan and V.Ramachandran | Mapana – Journal of Sciences | July 2023 | 0975-3303 | 22 & Special Issue 1 | 0.1 | UGC CARE List -Group I |
| 2. | E-super arithmetic graceful labelling of $H_i(m, m)$, $H_i^{(1)}(m, m)$ and chain of even cycles | S.Anubala and V.Ramachandran | Acta Universitatis Sapientiae, Informatica | Aug 2023 | 2066-7760 | 15 & 1 | 0.5 | Web of Science & UGC CARE List |
| 3. | E-Super Arithmetic Graceful Labelling of Certain Corona Graphs | S.Anubala and V.Ramachandran | Indian Journal of Natural Sciences | Feb 2023 | 0976 – 0997 | 13 & 76 | 2.452 | Web of Science & UGC CARE List |
| 4. | On the M Modulo N Graceful Game of Cayley Graph | C.Velmurugan and V.Ramachandran | Indian Journal of Natural Sciences | Feb 2023 | 0976 – 0997 | 13 & 76 | 2.452 | Web of Science & UGC CARE List |

| | | | | | | | | |
|----|--|---------------------------------|--|---------------------------|-----------|--------|----|---|
| 5. | E-Super Arithmetic Graceful Labelling of Some Standard Classes of Cubic Graphs Related to Cycles | S.Anubala and V.Ramachandran | Bulletin of the International Mathematical Virtual Institute | June 2022 | 2303-4955 | 12 & 2 | -- | -- |
| 6. | (1, N) - Arithmetic Labelling of n-polygonal snakes and P(a,b) | S.Anubala and V.Ramachandran | Mathematics in Engineering, Science and Aerospace | Feb 2022 | 2041-3165 | 13(1) | -- | Scopus & UGC CARE List |
| 7. | Design and Development of Algorithm for M Modulo N Graceful Labeling on Cycle and Complete Graph | C.Velmurugan and V.Ramachandran | Advances and Applications in Mathematical Sciences | March 2022 | 0974-6803 | 21(5) | -- | Web of Science & UGC CARE List |
| 8. | (1;N) - Arithmetic Labelling of $C_n \otimes S_m$ and $S_{m,n}$ | S.Anubala and V.Ramachandran | International Journal of Mathematical Combinatorics | Mar 2022 | 1937-1055 | 1 | -- | -- |
| 9. | (1, N)-Arithmetic Labelling of Arbitrary Supersubdivision of disconnected graphs | V.Ramachandran and S.Anubala | Acta Graphica | Mar 2022 (Issue: 2019) | 0353-4707 | 30(3) | -- | UGC CARE List -Group I |

| | | | | | | | | |
|-----|--|---------------------------------|--|-----------------|-------------|------------|----|--|
| 10. | Designing on Secret Password by using Cryptography and M modulo N Graceful Labeling | C.Velmurugan and V.Ramachandran | International Journal on Emerging Technologies | Jan 2022 | 2249-3255 | 13(1) | -- | UGC CARE List |
| 11. | (1,N)-Arithmetic Labelling of Chain of Even Cycles, Splitting Graph of Paths And Splitting Graph of Cycles C4m | S.Anubala and V.Ramachandran | Electronic Journal of Mathematical Analysis and Applications | July 2021 | 2090-729X | 9 Issue 2 | - | UGC CARE List -Group I |
| 12. | E-Super Arithmetic Graceful Labelling of some special Classes of Cubic Graphs related to Cycles | S.Anubala and V.Ramachandran | International Journal of Mathematical Combinatorics | December 2020. | 1937-1055 | 4 | - | -- |
| 13. | Algorithm for M modulo N Graceful Labeling of Ladder and Subdivision of Ladder Graphs | C.Velmurugan and V.Ramachandran | International Journal of Mathematical Combinatorics | September 2020. | 1937-1055 | 3 | - | -- |
| 14. | M Modulo N Graceful Labeling of Path and Star | C.Velmurugan and V.Ramachandran | Journal of Information and Computational Science | December 2019 | 1548 - 7741 | 9 Issue 12 | -- | Scopus ID# 144748 (UGC CARE List) |

| | | | | | | | | |
|-----|--|------------------------------|---|------|-----------|---------------|-------|---|
| 15. | Colligation of cycle graphs on one modulo N graceful labelling and its applications | V.Ramachandran | Journal of Information and Optimization Sciences (Taylor and Francis) | 2019 | 0252-2667 | 40, Issue 3 | -- | Web of Science |
| 16. | $(1, N)$ -Arithmetic Labelling of Arbitrary Supersubdivision of Paths, Cycles and Stars | V.Ramachandran and S.Anubala | Pramana Research Journal | 2019 | 2249-2976 | 9, Issue 5 | 6.2 | UGC Approved Journal ID # 41241 |
| 17. | One Modulo N Gracefulness of $P_m \odot nK_1$, $P_n(1, 2, \dots, n)$ and Union of two Subdivided Shell Graphs | V.Ramachandran and S.Anubala | Journal of Applied Science and Computations | 2019 | 1076-5131 | VI, Issue III | 5.8 | UGC Approved Journal ID # 41238 |
| 18. | $(1, N)$ -Arithmetic Labelling Supersubdivision of Ladder | V.Ramachandran and S.Anubala | Journal of Applied Science and Computations | 2019 | 1076-5131 | VI Issue I | 5.8 | UGC Approved Journal ID # 41238 |
| 19. | $(1, N)$ -Arithmetic Labelling of Ladder and | V.Ramachandran | International Journal of Mathematical Combinatorics | 2018 | 1937-1055 | 2 | -- | -- |
| 20. | One modulo N gracefulness of Crowns, Armed crowns and chain of even cycles | V.Ramachandran, and C. Sekar | Ars Combinatoria. | 2018 | 0381-7032 | 138 | 0.186 | Scopus ID #25215 & indexed in Web of Science (UGC CARE List) |
| 21. | $(1, N)$ -Arithmetic Labelling in Multimedia and Network Technology | V.Ramachandran, | International Journal of Mathematics And Its Applications | 2017 | 2347-1557 | 5 Number 4-C | 0.421 | UGC Approved Journal ID # 62807 |

| | | | | | | | | |
|-----|--|---|---|------|-----------|--------------|--------|---|
| 22. | A Comparative Study of Attitude of Final Year Under-Graduate Students of Colleges of Rural and Urban Areas of Madurai District Towards | S. S.Jayabalakrishnan and V.Ramachandran, | <i>The Mannar Scroll</i> | 2017 | 2321-788X | 5 Spl Iss. 3 | 1.5496 | UGC Approved Journal ID # 43960 |
| 23. | $(1, N)$ -arithmetic graphs | V.Ramachandran, and C. Sekar | International Journal of Computers and Applications | 2016 | 1925-7074 | 38 (1) | -- | Scopus ID # 15484 (UGC CARE List) |
| 24. | Gracefulness and one modulo N gracefulness of | V.Ramachandran, and C. Sekar | Scientia magna | 2016 | 1556-6706 | 11(1) | -- | -- |
| 25. | One modulo N gracefulness of supersubdivision of ladder | V.Ramachandran, and C. Sekar | Journal of Discrete Mathematical Sciences and Cryptography | 2015 | 0972-0529 | 18 (3) | -- | Scopus ID# 19700186892 (UGC CARE List) UGC Approved Journal ID # 20134 |
| 26. | One modulo N gracefulness of H-class of graphs | V.Ramachandran, and C. Sekar | Scientia, series A: Mathematical science | 2015 | 0716-8446 | 26 | -- | -- |
| 27. | One Modulo N Gracefulness of Some arbitrary | V.Ramachandran, and C. Sekar | International Journal of Mathematical Combinatorics | 2015 | 1937-1055 | 1 | -- | -- |
| 28. | One modulo N gracefulness of arbitrary supersubdivisions of graphs | V.Ramachandran, C. Sekar | International Journal of Mathematical Combinatorics | 2014 | 1937-1055 | 2 | -- | -- |
| 29. | One modulo N gracefulness of regular bamboo tree and coconut tree | V.Ramachandran, and C. Sekar | International journal on applications of graph theory in wireless ad hoc networks and sensor networks (GRAPH-HOC) | 2014 | 0975-7031 | 6(2) | -- | -- |

| | | | | | | | | |
|-----|---|---------------------------------|--|------|-----------|--------|-------|--|
| 30. | Graceful labelling of supersubdivision of ladder | V.Ramachandran, and C. Sekar | International Journal of Mathematics And Its Applications | 2014 | 2347-1557 | 2(2) | 0.421 | UGC Approved Journal ID # 62807 |
| 31. | One modulo N gracefulness of cycle related graphs | V.Ramachandran, and C. Sekar | National Journal of Technology | 2014 | 0973-1334 | 10(4) | -- | -- |
| 32. | One modulo N gracefulness of splitting graphs and subdivision of double triangle graphs | V.Ramachandran, and C. Sekar | Scientia | 2013 | 2282-2119 | 125 | -- | -- |
| 33. | One modulo N gracefulness of n-polygonal snakes, $C_n^{(t)}$ and $P_{a,b}$ | V.Ramachandran, and C. Sekar | International Journal of Engineering Research & Technology | 2013 | 2278-0181 | 2(10) | 3.06 | -- |
| 34. | One modulo N gracefulness of acyclic graphs | V.Ramachandran, and C. Sekar | Ultra Scientist | 2013 | 2231-346X | 25(3)A | 2.98 | -- |
| 35. | Graceful labelling of arbitrary supersubdivision of disconnected graph | C. Sekar and D. V.Ramachandran, | Ultra Scientist | 2013 | 2231-346X | 25(2)A | 2.98 | -- |

Research Articles Published in Proceedings:

| S.No | Name of the Author/Authors | Title of the Article | Title of the Conference/Seminar | International/ National /State level | ISBN Number | dt/mm/yr |
|------|---------------------------------|---|--|---|-------------------|------------|
| 1 | V.Ramachandran, C. Sekar | Some results on one modulo N graceful labelling of graphs | Proceedings of the National Conference on Present Scenario in Graph Theory (PSGT- 2016) organized by PG & Research Department of Mathematics, Mannar Thirumalai Naicker College, | National | 978-93-85977-68-8 | 16/12/2016 |
| 2 | S.Anubala and V.Ramachandran | E-Super arithmetic graceful labelling of the complete bipartite graph $K_{n,n}$ and $(r,2,r+1)$ -regular bipartite graphs | National Symposium on "Newfangled avenues of Applied Mathematics" organized by Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi. | National | 978-93-91987-00-8 | 11/08/2021 |

Paper presented in Conference/Seminar:

| S.No | Title of the Paper | International/National /State level | Title of the Conference | Institution/College Name | dt/mm/yr |
|------|--|-------------------------------------|---|--|-----------------------------|
| 1 | Graceful labelling of supersubdivision of ladder | National level | National seminar on Algebra, Number theory and Discrete mathematics"(NSANDM – 2012) | Department of Mathematics Government College, Kattappana, Kerala | 28/11/2012 to 30/11/2012 |

| | | | | | |
|---|--|---------------------|---|--|--------------------------|
| 2 | Gracefulness and one modulo N gracefulness of $L_n \otimes S_m$ | National level | Tamilnadu State Council for Higher Education Sponsored Two day National conference on recent developments in application of Graph theory”(NCRDAGT – 2013) | Raja Doraisingam Government Arts College, Sivagangai | 02/08/2013 & 03/08/2013 |
| 3 | One modulo N gracefulness of acyclic graphs | National level | UGC Sponsored National conference on Labellings and Decompositions of Graphs | The Madura College, Madurai. | 29/08/2013 & 30/08/2013 |
| 4 | One modulo N gracefulness of cycle related graphs | International level | International conference on applied mathematical models”(ICAMM2014) | PSG College of Technology, Coimbatore | 03/01/2014 to 05/01/2014 |
| 5 | One modulo N graceful labelling of disconnected Path and Cycle $P_n \cup C_n$ and $P_n \cup C_n$ and $P_n^+ - V_k^{(1)}$ | National level | UGC Sponsored National Seminar on Recent Developments in Functional Analysis, Topology and Graph Theory | P.G. & Research Department of Mathematics, The Hindu College, Tirunelveli. | 26/03/2015 & 27/03/2015 |
| 6 | Some results on one modulo N graceful labelling of graphs | National level | National Conference on Present Scenario in Graph Theory (PSGT- 2016) | PG & Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai. | 16/12/2016 |
| 7 | Generalization of Cycle related Graphs on One Modulo N Graceful Labelling | International level | International Conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE 2017) | Alagappa University, Karaikudi, | 20/02/2017 to 22/02/2017 |
| 8 | $(1, N)$ – Arithmetic labelling of Subdivision of Ladder graph and its Applications | International level | International Conference on Mathematical Computer Engineering – 2017 (ICMCE-2017) | VIT University, Chennai. | 03/11/2017/& 04/11/2017 |

| | | | | | |
|----|---|---------------------|---|---|--------------------------|
| 9 | (1, N) – Arithmetic labelling of Supersubdivision of Ladder graph with $K_{2,m}$ having $m \equiv 0 \pmod{3}$ | International level | International Conference on Applied Mathematical Models (ICAMM -2018) | PSG College of Technology, Coimbatore. | 04/01/2018 to 06/01/2018 |
| 10 | (1, N) – Arithmetic labelling of Supersubdivision of Ladder graph with $K_{2,m}$ having $m \equiv 1 \pmod{3}$ | International level | International Conference on Algebra and Discrete Mathematics-2018 | Department of Mathematics-DDE, Madurai Kamaraj University, Madurai. | 08/01/2018 to 10/01/2018 |
| 11 | (1, N) – Arithmetic labelling of Supersubdivision of Ladder graph with $K_{2,m}$ having $m \equiv 2 \pmod{3}$ | International level | International Conference on Discrete Mathematics & its Applications (ICDMA) | Manonmaniam Sundaranar University , Tirunelveli. | 18/01/2018 to 20/01/2018 |
| 12 | (1, N)-Arithmetic Labelling of Arbitrary Supersubdivision of Paths and Cycles | International level | International Conference in Discrete Mathematics 2018 (ICDM - VI) | National College, Trichy. | 14/12/2018 to 17/12/2018 |

| | | | | | |
|----|---|---------------------|--|--|-------------------------|
| 13 | (1, N)-Arithmetic Labelling of Arbitrary Supersubdivision of Disconnected Graphs | International level | International Conference on Discrete and Computational Mathematics ICDCM 2018 | Alagappa University, Karaikudi. | 20/12/2018 & 21/12/2018 |
| 14 | (1, N)-Arithmetic Labelling of Even cycle Graphs | International level | International Conference on Computational Sciences (ICCS 2019) | Alagappa University, Karaikudi. | 23/10/2019 & 24/10/2019 |
| 15 | E-Super arithmetic graceful labelling of the complete bipartite graph $K_{n,n}$ and $(r,2,r+1)$ -regular bipartite graphs | National level | National Symposium on "Newfangled avenues of Applied Mathematics" | Madurai Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi. | 11/08/2021 |
| 16 | M Modulo N Graceful Labeling of Splitting Graphs | International level | Two-day International Conference on Exploration of Contemporary Mathematical Sciences – 2022 (ICECMS – 2022) | Department of Mathematics (CA), Mannar Thirumalai Naicker College, Madurai. | 17/03/2022 & 18/03/2022 |
| 17 | E-Super Arithmetic Graceful Labeling of Corona Graphs | National level | National Conference on Presence Scenario in Mathematical Research (PSMR – 2022) | PG and Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai. | 22/04/2022 |
| 18 | On the M modulo N Graceful Game of Cayley Graph | National level | National Conference on Presence Scenario in Mathematical Research (PSMR – 2022) | PG and Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai. | 22/04/2022 |

| | | | | | |
|----|---|----------------|--|--|------------|
| 19 | Existence of M modulo N graceful labeling in Coconut Tree and Caterpillar | National level | National Conference on Current Trends in Applied Mathematics & IPR | PG and Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai. | 07/10/2022 |
| 20 | M modulo N Graceful Labeling of H - Class Graph | National level | National Conference on Recent Advancements in Pure and Applied Mathematics | PG and Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai. | 15/03/2024 |

Detail of Project:

| S.No | Project Title | Name of Applicant(s) | Status | Amount | Agency | Year |
|------|--|-------------------------|-----------|----------|---|-----------|
| 1. | $(1, N)$ – Arithmetic labeling of Subdivision, Supersubdivision and Arbitrary Supersubdivision of Ladder graph. | Dr.V. Ramachandran (PI) | Completed | Rs.20000 | Institutional sponsored Research Project (Minor) Mannar Thirumalai Naicker College, Madurai | 2017-2018 |
| 2. | $(1, N)$ – Arithmetic Labelling of Arbitrary Supersubdivision of Paths, Cycles, Stars, Disconnected Paths and Disconnected Path & Cycle. | Dr.V. Ramachandran (PI) | Completed | Rs.25000 | Institutional sponsored Research Project (Minor) Mannar Thirumalai Naicker College, Madurai | 2018-2019 |

| | | | | | | |
|----|--|--|---|---------------------------|---|-----------|
| 3. | Participating Institutes Under UBA 2.0 | Dr.S.S.Jayabalakrishnan Assistant Professor of Physics Dr.V.Ramachandran, Assistant Professor of Mathematics Dr.S.Vigneswaran Assistant Professor of Economics | Completed | Rs.50,000 (as Seed money) | MHRD, India under UBA | 2020-2021 |
| 4. | Math Teachers Training Through Low Cost Teaching Aids | Dr.R.Bhavani, Assistant Professor of Mathematics Dr.V. Ramachandran, Assistant Professor of Mathematics | Completed (06.07.2022 to 08.07.2022) | Rs.1,00,000 | Tamilnadu State Council for Science and Technology Govt. of Tamil Nadu | 2022-2023 |
| 5. | SEG- Capacity Building, Strategy for Convergence and Implementation of Various Govt. Schemes | Dr.V. Ramachandran (PI) | Ongoing | Rs.50,000 | IIT Delhi under UBA 2.0 | 2023-2024 |
| 6. | SEG- Capacity Building, Strategy for Convergence and Implementation of Various Govt. Schemes | Dr.V. Ramachandran (PI) | Ongoing | Rs.50,000 | IIT Delhi under UBA 2.0 | 2023-2024 |

(IV) OTHER EXPERIENCE:

Professional Recognition/Award/Prize/Certificate,Fellowshipreceived:

| S.No | Name of Award | Awarding Agency | Year |
|------|--|---------------------------------|------|
| 1 | Outstanding Best Paper Award – 2018 (SCI category) | Nature Science Foundation (NSF) | 2018 |

| | | | |
|---|----------------------------|------------------------------------|------|
| 2 | Best Young Scientist Award | GRABS Educational Charitable Trust | 2019 |
|---|----------------------------|------------------------------------|------|

Membership in Academic/Professional Bodies:

| S.No | Name of the Body | Capacity |
|------|-----------------------------|-------------|
| 1 | Indian Mathematical Society | Life Member |
| 2 | Ars Combinatoria Journal | Referee |

FDP/Workshop Attended (other than MTNC):

| S.No | International/National / State Level | Title of the Programme/Course | Name of the Institution/University | dt/mm/yr |
|------|--------------------------------------|--|---|--------------------------|
| 1 | State level | workshop on “Contemporary Mathematics | Department of Mathematics, Sri Parasakthi College for women, Courtallam | 12/03/2012 |
| 2 | National level | 25th Edition of Bridge 2017 –Chennai “The Largest Industry-Institute Interaction (Building High Impact Culture OfResearch) | ICT Academyat ITC Grant Chola, Chennai. | 01/03/2017 |
| 3 | State level | Seminar on Developing New Curriculum-2017 | State council of Educational Research and Training, Tamilnadu, held at Anna University Chennai-25 | 21/07/2017 & 22/07/2017 |
| 4 | Regional level | Workshop on “Online Examination and Feedback using Smart Phones” | Madurai Kamaraj University, Madurai. | 26/03/2018 to 28/03/2018 |
| 5 | State level | State level Workshop on Reforms in Curriculum Design & Evaluation Based on OBE | The Standard Fireworks Rajaratnam College for Women, Sivakasi. | 27/07/2019 |
| 6 | National level | UGC National Workshop on Research Integrity & Awareness | University of Hyderabad, Hyderabad. | 05/08/ 2019 |

| | | | | |
|----|----------------|---|--|---------------------------|
| 7 | Regional level | UBA (Unnat Bharat Abhiyan) - Regional Workshop on “UBA for participating Institutions -Southern Tamil Nadu” | Regional Coordinating Institute (Nodal Center-Southern Tamil Nadu), The Gandhigram Rural Institute (Deemed to be University) Gandhigram, Dindigul District | 06/02/2020 |
| 8 | National level | National Workshop on “Functional Analysis and its Applications” | St.Xaviers College, Palayamkottai, Tirunelveli. | 13/02/2020 &14/02/2020 |
| 9 | State level | Online Workshop for Teachers | Universal Teachers Academy | 21/04/2020 to 30/04/2020 |
| 10 | State level | Online Course on Household Electrical Devices & Appliances | AVS College of Arts and Science | 20/04/2020 and 21/04/2020 |
| 11 | National level | Online Workshop for Enhancing Research Communication Skills through Science Direct and Mendeley | IQAC & School of Education (PMMMNTT) Dayalbagh Education Institute | 03/05/2020 |
| 12 | National level | Webinar on Impact of Covid on Economy and Management of Finance during this Period | Shasun Jain College for Women (IOUAC) | 4/05/2020 |
| 13 | National level | GeoGebra 5.04 Training | Jamal Mohamed College (Autonomous) | 12/05/2020 |
| 14 | National level | R Training | Jamal Mohamed College | 12/05/2020 |
| 15 | State level | Webinar on Selection of Appropriate Statistical Tools : A Critical Way for Successful Research | St.Mary’s College, Autonomous, Thutukudi | 12/05/2020 |
| 16 | National level | Online Faculty Development Programme on Project Proposals for Funding Agencies (UGC STRIDE & ICSSR IMPRESS): PREPARATION AND SUBMISSION | Patrician College of Arts and Science | 16/05/2020& 17/05/2020 |
| 17 | State level | Online Quiz on Role of NSS in Prevention of Covid -19 | National Service Scheme Sourashtra College | 23/05/2020 |
| 18 | State level | Webinar on Centrality Measures in Graph Theory | Kalasalingam Academy of Research and Education | 23/05/2020 |
| 19 | State level | Graph Theory- A Research view Online Faculty Development Programme | Nirmala College for Women | 26/05/2020 |

| | | | | |
|----|---------------------|---|--|---------------------------|
| 20 | National level | Webinar Series (12 Sessions) on Knowledge Generation in Education during COVID – 19 Pandemic – Qualitative Research | Bombay Teacher Training College, HSNC University, Mumbai & Dept of Education, University of Mumbai | 01/06/2020 to 06 /06/2020 |
| 21 | International level | Webinar on Graph Theory & Human Actors in Aviation | G. Venkataswamy Naidu College, Kovilpatti | 03/06/2020 to 05/06/2020 |
| 22 | State level | Webinar on Art of Writing Research Article | E.M.G. Yadava Women’s College | 6/06/2020 |
| 23 | State level | Webinar on Role of Ayurveda in Strengthening Immune System during COVID – 19 | Gobi Arts and Science College | 13/06/2020 |
| 24 | National level | Online Quiz on – MathQuiz-2K20 on Pure Mathematics | Vel Tech High Tech | 16/06/2020 |
| 25 | State level | Webinar on Research Fundamentals & Intellectual Property Rights | Sandakathullah Appa College | 16/06/2020 |
| 26 | State level | Webinar on Graph Embedding | Don Bosco College of Arts and Science | 16/06/2020 |
| 27 | National level | Webinar on Dr.V.Swaminathan Endowment Lecture series on Recent Trends in Graph Theory | Government Arts College, Paramakudi | 22/06/2020 to 24/06/2020 |
| 28 | National level | Webinar on Key Notes to Write a Research Proposal and funding opportunities in India – An Overview | St.Mother Theresa Engineering College | 26/06/2020 |
| 29 | National level | Webinar on – Solving Transportation Problems with Ms-Excel and Solver | Aditanar College of Arts and Science | 27/06/2020 |
| 30 | State level | Online Faculty Development Programme | Margregorios College of Arts and Science | 02/07/2020 and 03/07/2020 |
| 31 | State level | Webinar | Life Mask” The Americal College” | 02/07/2020 |
| 32 | State level | Webinar on Total Labeling in Graphs | Thiagarajar College of Engineering, Madurai | 08/07/2020 |

| | | | | |
|----|----------------|---|--|-------------------------|
| 33 | National level | Webinar on Applications of Integrated Graph Theory Research | Sri Sarada College For Women | 16/07/2020 |
| 34 | National level | Webinar on ICT Tools for Teaching Learning | IQAC, St.Xavier's College | 24/07/2020 |
| 35 | National level | Session on Patent Prosecution Challenges and Strategies in India | The Frontiers Legal and Turnip Innovations | 25/07/2020 |
| 36 | State level | Webinar on " E-Content Development for Teaching Mathematics | The Madrai Diraviyam Thayumanavar Hindu College | 07/08/2020 |
| 37 | National level | National Webinar on Research Funding Opportunities | Cardamom Planters Association College, Bodinayakanur | 20/04/2021 |
| 38 | State level | State Workshop on Preparing for Admission during COVID | Master Soft | 05/05/2021 |
| 39 | National level | Webinar on IP and Youth Innovating for a Better Future | Turnip Innovations Pvt Ltd, Kolkata | 26/04/2022 |
| 40 | State level | Two days In-service Teacher Training programme | Tamilnadu State Council for Higher Education, Chennai | 05/05/2022 & 06/05/2022 |
| 41 | National | Webinar on the Celebration of Science Festival (Vigyan Utsav) | GOVERNMENT OF INDIA MINISTRY OF SCIENCE AND TECHNOLOGY, Department of Science and Technology (DST), Tamil Nadu State | 01/06/2022 |
| 42 | International | Webinar on Empowering knowledge on ethical publishing: Mastering the art of identifying predatory, fake and cloned journals | Researcher Academy On Campus | 08/06/2022 |
| 43 | National | Seminar titled "Hepatitis Can't Wait" | Subbalakshmi Lakshmipathy College of Science, Madurai. | 28/07/2022 |
| 44 | National | Webinar on Building with Geographical Indications | Turnip Innovations Pvt Ltd, Kolkata | 13/08/2022 |
| 45 | National | National Virtual Workshop on Machine Learning: An Ice Breaker between Materials Research and Data Science | SSN Research Centre, SSN Institutions, Chennai | 12/04/2023 & 13/04/2023 |

| | | | | |
|----|----------|--|---|--------------------------|
| 46 | National | 7 Day National Level Online Faculty Development Program on Outcome Based Education (OBE) | Nirmala College, Muvattupuzha in association with The Kerala State Higher Education Council | 10/05/2023 to 17/05/2023 |
|----|----------|--|---|--------------------------|

Positions held at our college (MTNC):

| S.No | Name of position | From | To |
|------|---|-------------|------------|
| 1 | Assistant Controller of Examinations-I | 22/06/ 2016 | 10/07/2019 |
| 2 | Controller of Examinations i/c | 03/06/2019 | 10/07/2019 |
| 3 | Dean for Research, UGC and University Affairs | 11/07/2019 | 03/02/2022 |
| 4 | Additional Coordinator – IQAC & NAAC | 23/06/2023 | till date |

Workshop/Conference/FDP Attended in MTNC:

| S.No | International/National/ State Level | Title of the Workshop/Conference | Name of the Institution/University | Month and Year |
|------|--|--|--|--------------------------|
| 1 | College Level | Faculty Development Programme on “Online Teaching, Learning and Assessment Using Moodle, MOOC Platform, Open Educational Resources & Education Technology Tools” | Mannar Thirumalai Naicker College, Madurai | 23/10/2017 & 24/10/ 2017 |
| 2 | College Level | “Faculty Development Programme on “e-Content Development and Digital Tools” | Mannar Thirumalai Naicker College, Madurai | 02/03/2018 & 03/03/2018 |
| 3 | College Level | Faculty Development Programme on Intellectual Property Rights, Skill Development Programmes, Innovation, Patents and Setting up Incubation Centres | Mannar Thirumalai Naicker College, Madurai | 22/01/2019 |

| | | | | |
|-----|---------------------|---|---|--------------------------|
| 4 | College Level | Faculty Development Programme on Promotion of API Score and CAS Filling | Mannar Thirumalai Naicker College, Madurai | 02/03/2019 |
| 5 | College Level | One day Training and Production Workshop on prospects of outcome based Curriculum | Mannar Thirumalai Naicker College, Madurai | 09/03/2019 |
| 6 | College Level | “One day Capacity Building Programme on Outcome Based Education” | Mannar Thirumalai Naicker College, Madurai. | 28/08/ 2019 |
| 7 | College Level | “One day Workshop on Research Writing and Publications: Theory and Practice” | Mannar Thirumalai Naicker College, Madurai. | 19/10/2019 |
| 8. | College Level | Faculty Development Programme on Promotion of API Score and Career Advancement Scheme | Mannar Thirumalai Naicker College, Madurai. | 03/03/2020 |
| 9. | College Level | One day Faculty Development Programme on 21 st Century Skills | Mannar Thirumalai Naicker College, Madurai | 05/03/2020 |
| 10. | State Level | Online MCQs Test | Mannar Thirumalai Naicker College | 27/04/2020 |
| 11 | National Level | Online National Faculty Enrichment Programme (IQAC) | Mannar Thirumalai Naicker College | 13/05/2020 to 19/05/2020 |
| 12 | State Level | Webinar “ Bio Diversity | Mannar Thirumalai Naicker College | 22/05/2020 |
| 13 | International Level | Online Quiz on “ Covid-19, Protection and Prevention” | Mannar Thirumalai Naicker College | 25/05/2020 |

| | | | | |
|----|---------------------|---|-----------------------------------|--------------------------|
| 14 | National Level | Enrichment Programme on” Franchising the Way Forward | Mannar Thirumalai Naicker College | 28/05/2020 |
| 15 | National Level | E-Quiz on Mathematical Analysis | Mannar Thirumalai Naicker College | 30/05/2020 |
| 16 | State Level | Webinar on fPob ejpf;fiuapy; rq;f fhy efu ehfupfk; | Mannar Thirumalai Naicker College | 01/06/2020 |
| 17 | State Level | Webinar on ‘ Protective Measures in Cyber Space amidst COVID Crisis | Mannar Thirumalai Naicker College | 08/06/2020 |
| 18 | State Level | Online Workshop on Positive Thinking and Decision Making | Mannar Thirumalai Naicker College | 23/06/2020 |
| 19 | State Level | Recent Trends in Mathematical Modelling | Mannar Thirumalai Naicker College | 27/06/2020 |
| 20 | National level | National Webinar on Biodiversity: Life Insurance for Our Changing World | Mannar Thirumalai Naicker College | 26/05/2021 |
| 21 | International level | International Webinar on Data Science in e- Commerce | Mannar Thirumalai Naicker College | 23/07/2021 |
| 22 | National level | A Seven Day Online Faculty Development Programme on Enhancing Quality by unearthing Innovative Practices-EQUIP 2022 | Mannar Thirumalai Naicker College | 18/04/2022 to 24/04/2022 |
| 23 | College level | Faculty Enhancement Programme on Education 4.0 for Sustainable Economic Development | Mannar Thirumalai Naicker College | 27/04/2022 |

| | | | | |
|----|----------|--|-----------------------------------|-------------------------|
| 24 | State | Faculty Research Programme on Dynamics of Research Publications | Mannar Thirumalai Naicker College | 15/09/2022 & 16/09/2022 |
| 25 | National | National Science day & National Mathematics day | Mannar Thirumalai Naicker College | 21/12/2022 & 22/12/2022 |
| 26 | National | World Record of Date of Birth Magic Square for Srinivasa Ramanujan | Mannar Thirumalai Naicker College | 22/12/2022 |
| 27 | State | Insights of National Educational Policy | Mannar Thirumalai Naicker College | 18/03/2023 |

Conferences / Seminars / Workshops / Intercollegiate Meets / Etc., Organized

| S. No | Date | Name of the Programme | Name of the Institution |
|--------------|---|--|--|
| 1 | 16 th December 2016 | National Conference on Present Scenario in Graph Theory (PSGT- 2016) | Mannar Thirumalai Naicker College, Madurai |
| 2 | 13 th March 2018 | One day State Level Seminar on “Recent Advancement in Applied Mathematics (RAAM-2018)” | Mannar Thirumalai Naicker College, Madurai |
| 3 | 26 th November 2019 | 70 th Anniversary of Indian Constitution Day Celebration | Mannar Thirumalai Naicker College, Madurai |
| 4 | 18 th & 19 th February 2020 | Two days training for Institution Mail id, Google Scholar, UGC CARE List | Mannar Thirumalai Naicker College, Madurai |
| 5 | 24 th February 2020 | International Mother Language Day Celebration | Mannar Thirumalai Naicker College, Madurai |

| | | | |
|----|---|--|---|
| 6 | 22 nd May 2020 | E-Quiz on Research Methodology | Mannar Thirumalai Naicker College, Madurai |
| 7 | 28 th May2020 | E-Workshop cum E-Quiz Report on "Positive Thought and the Ideal Life" | Mannar Thirumalai Naicker College, Madurai |
| 8 | 22 th April 2022 | National Conference on Present Scenario in Mathematical Research (PSMR-2022) | Mannar Thirumalai Naicker College, Madurai |
| 9. | 06 th July 2022 to 08 th July 2022 | Three Days Workshop on Math Teachers Training Through Low Cost Teaching Aids | Mannar Thirumalai Naicker College, Madurai |

Subject Expert/ member in Board of Studies:

| S.No. | Expert/ Member | Name of the institution | Year |
|-------|---|--|------------------|
| 1 | Subject Expert of Department of Mathematics (CA) | Sourashtra College, Madurai. | 2016-17 &2017-18 |
| 2 | Subject Expert of Department of Mathematics (CA) | N.M.S.S. Vellaichamy Nadar College, Nagamalai, Madurai. | 2023-24 |

Google Scholar Details:

| | |
|-----------|----|
| Citations | 77 |
| h-index | 6 |
| i10-index | 2 |