

Name	Dr. V. L. Stella Arputha Mary
Qualification	M.Sc., M.Phil., B.Ed., Ph.D.,
Designation	Associate Professor
Year of Joining	23.3.2007
Specialization	Graph Theory
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Seminars

Title of Workshop/ Seminar/FDP/ Conferences	Type	Paper Presented/ Participated	Organized By	Date
Guest Lecture on What is Mathematics	Local	Participated	Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi.	06.03.2025
National Conference on Mathematical modeling and Computation	National	Presented	Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore	14,15 March 2024
International Conference on Recent Strategies in Mathematics and Statistics	International	Presented	Department of Mathematics, Stella Maris College in Collaboration with the department of Mathematics, Indian Institute of Technology, Madras	19 - 21 May 2022

International Conference on Multidisciplinary Approaches in Engineering, Management and Science	International	Presented	Sri S. Ramasamy Naidu Memorial College ,Sattur, Virudhunagar-Dist., Tamilnadu	4Mar2022
International Conference On Emerging Trends in Engineering ,Science and Management	International	Presented	Universal College of Engineering and Technology, Guntur, AP	18-19Feb2022
National Conference on New Horizons in Science, Engineering, Management and Humanities	National	Presented	Department of Civil, Mechanical, MBA, Applied Science IIMT college of Engineering Greater Noida (UP)	22Dec2021
Mathematical Modeling and Computational Intelligence Techniques (ICMMCIT-2021)	International	Presented	Department of Mathematics, The Gandhigram Rural Institute (Deemed to be University),Dindigul, Tamilnadu	10-12Feb2021
New Approach in Graph Theory	National Webinar	Participated	Fatima College (Autonomous) ,Madurai	18-20 July 2020
Learning to live with COVID-19:Embracing the New Reality	National Webinar	Participated	St. Mary's College Thoothukudi	11-July-2020
An Update on Covid 19	InterNational Webinar	Participated	St. Mary's College Thoothukudi	10-July-2020
How to use Open Educational Resources to Desire	National Webinar	Participated	St. Mary's College Thoothukudi	31-May2020
Recent Research Topics in Graph Theory	International Webinar	Participated	Mes Mampad Coll ege(Autonomous) Kerala	20-May2020-21-May2020

Mental Health and Psychosocial Consideration During Lockdown	Online workshop	Participated	St. Mary's College Thoothukudi	13-May-2020-14-May-2020
“Selction of Appropriate Statistical Tools	Webinar	Participated	St. Mary's College Thoothukudi	12-May-2020
Psychological First Aid	Webinar	Participated	St. Mary's College Thoothukudi	11-May-2020
Advances in Mathematics	National Seminar	Presented	Dept. of Mathematics St. Mary's College(Autonomous), Thoothukudi-1	12,13thMar 2020
Scientific publication and evaluation	National Seminar	Participated	Department of Library and Research Forum St. Mary's College (Autonomous), Thoothukudi-1	14 th Feb2020
Writing Research Proposals for Funded Projects	National Workshop	Participated	Research Advisory Committee St. Mary's College (Autonomous), Thoothukudi	14 th Sep 2019
Emerging Trends in Advanced Mathemtics- ISETAM2019	NBHM sponsored Instructional School	Paper Presented	Dept. of Mathematics St. Mary's College (Autonomous), Thoothukudi-1	11 th and 12 th Feb 2019
International Conference on Applications of Mathematics	Internationa l Level	Paper Presented	Dept. of Mathematics St. Mary's College (Autonomous), Thoothukudi-1	11.01.2018
Seminar on Academic and Research Integrity in the Digital World	National level	Participated	Research Forum and Department of Library St. Mary's College (Autonomous), Thoothukudi-1	09.12.2017
Instructional Workshop on Latex	State Level	Participated	Dept. of Mathematics St. Mary's College (Autonomous), Thoothukudi-1	21.09.2017 — 22.09.2017
Conference on Solar Energy	International	Participated	St. Mary's College Thoothukudi	11.2.15

Papers Published

Papers Title	Author(s)	Journal	Year	Volume	Issue	PageNo
Nano PRE JD Continuous and Nano	V.L. Stella Arputha Mary, J. Anuf Sarumathi	Indian Journal of Natural Sciences	August 2024	15	85	77153 – 77160
PREJD irresolute Functions in Nano Topological Spaces						
Results On Hefty V4-Vertex Magic Graph Labeling	S.Kavitha, V.L.Stella Arputha Mary	Journal of Pharmaceutical Negative Results	2023	14	1	864 - 871
Proximal V4-vertex magic labeling	S.Kavitha, V.L.Stella Arputha Mary	International Journal of Education and Science Research Review	May-June 2022	9	3	186 - 215
V4 - Hefty V4 -vertex magic graph labeling for ladder graphs	S.Kavitha, V.L.Stella Arputha Mary	Dickensian Journal	2022	22	5	1454 - 1470
V4- vertex magic labeling for cycle of graphs	V.L.Stella Arputha Mary, S. Kavitha	GIS Science Journal	2022	9	5	1687 - 1697
V4-Hefty V4- Labeling for Shadow Graphs	V.L.Stella Arputha Mary, S.Kavitha	GIS Science Journal	2022	9	5	380- 391

Hefty V4-Vertex magic Labeling For Generalized Wheel Graph And Duplication in Generalized	V.L.Stella Arputha Mary, S.Kavitha	The International Journal of Analytical and Experimental Modal Analysis	April-2022	XIV	IV	188-200
dWheel Graph						
Hefty V4-Vertex Magic labeling for Some Graphs	V.L. Stella Arputha Mary, S.Kavitha	Journal of Interdisciplinary Cycle Research	Mar-2022	XIV	III	1529-1536
V4-Vertex Magic Labeling for Hexagonal Mesh and Honeycomb Graph	S.Kavitha, V.L.Stella Arputha Mary	International Journal of Advanced Technology in Engineering and Science-IJATES	Mar-2022	No.10	No.03	20-31
V4-Vertex magic Labeling For Bloom Graph	S.Kavitha, V.L.Stella Arputha Mary	International Journal of Advance Research In Science And Engineering	Feb-2022	11 No.2	2319-8354	9-16
V4-Vertex Magic labeling For Hypercubes	S. Kavitha, V.L.Stella Arputha Mary	Drugs And Cell Therapies In Hematology	Dec-2021	10 No.3	2281-4876	758-769
Integer Graph Labeling	S. Kavitha, V.L.Stella Arputha Mary	International Journal of Mathematics Trends And Technology-IJMTT	2021	67, No.5	2231-5373	8-26

Vertex Magic Labeling On V_4 For Cartesian Product Of Two Cycles	S.Kavitha, V.L.Stella Arputha Mary	Turkish journal of Computer and Mathematics Education	5th April 2021	12 no.4	1309-4653 (Electronic)	240-249
Vertex magic Labeling on V_4 for Some cycle related graphs	V.L, Stella Arputha Mary, S.Kavitha	Advances in Mathematics Scientific Journal	Sep 2020	9	9	7699 - 7709
L-Magic labeling on divisors of 6	V.L, Stella Arputha Mary, S Navaneetha Krishnan and A. Nagaraan	Ars combinatoria	Jan 2019	CXLIII		91 - 107
Sub division of Integral Root Labeling of Graphs	V.L, Stella Arputha Mary, N.Nanthini	International Journal for Scientific Research and Development	2018	6	6	496 - 499
Results on Integral Root Labeling of Graphs	V.L, Stella Arputha Mary, N.Nanthini	International Journal for Research Trends and Innovation	2018	3	8	142 - 146
Integral Root Labeling of $P_m \cup G$ Graphs	V.L, Stella Arputha Mary, N. Nanthini	International Journal of Trend in Scientific Research and Development	2018	2	5	2141- 2145
Integral Root Labeling of Graphs	V.L, Stella Arputha Mary, N. Nanthini	International Journal of Mathematics Trends and Technology	2018	54	6	437 - 442

Strong Z_{4p} Magic labeling	VL, Stella Arput ha Mary, S Navaneetha Krishnan and A. Nagaraan	Arscombinat oria	Oct 2017	CXXXV		197 - 211
Z_{4p} Magic labeling for some cycle related graphs	V L, Stella Arput ha Mary, S Navaneetha Krishnan and A. Nagaraan	Scientia Magna	2015	1	2	326 - 336
L-Magic labeling	V L, Stella Arputha Mary, S Navaneetha Krishnan and A. Nagaraan	International Journal of Mathematics Trends and Technology	2014	12	5	66- 75
Near Z_{4p} Magic labeling	V L, Stella Arputha Mary, S Navaneetha Krishnan and A. Nagaraan	International Journal of Mathematica l Archive	2013	4	10	266 - 277
Z_{4p} Magic labeling for some more special graphs	V L, Stella Arputha Mary, S Navaneetha Krishnan and A. Nagaraan	International Journal of Physical Sciences Ultra Scientist	2013	25	(2) A	319 - 326
Z_{4p} Magic labeling on some special graphs	V L, Stella Arputha Mary, S Navaneetha Krishnan and A. Nagaraan	International Journal of Mathematics and Soft Computing	2013	3	3	61 - 70

Programmes Organised

- A guest Lecture on “What is Mathematics” on 06.03.2025.
- National Workshop cum Lecture on "Genetic Algorithm and Graph Theoritic Algorithm” on 17.09.2024.

Other details

- Served from 02.08.2001 to 19.10.2005 at St. Mary's College, Thoothukudi
- Served from 20.10.2005 to 22.03.2007 at St. Mary's College, Thoothukudi in the FDP vacancy
- Member of exam-cell committee 2009–2015 and 2017–2018
- NSS programme officer from 2018–2021
- Director of human Excellence centre 2023-till date

Head of the department 2021 – till date.