

3. Dr. G. Vijayalakshmi

Name : Mrs. G. Vijayalakshmi

Designation : Guest Lecturer

Qualification : M.Sc., M.Phil.,

Department : PG and Research Department of Mathematics

D.O.B : 04.10.1985

Permanent Address : 2, M.V.M. Nagar, Dindigul.

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Specialization : Graph Theory

Area of Interest : Linear Algebra, Real Analysis

Educational Qualification

Degree	Subject	Institution / University	Year	Class
B.Sc	Mathematics	GTN Arts College, Dindigul.	2006	I
M.Sc	Mathematics	Holy Cross College, Trichy	2008	I
M.Phil	Mathematics	Gandhigram Rural University	2009	I
Ph.D.	Mathematics	Madurai Kamaraj University	2024	HIGHLY COMMENDED

Computer Skills

- Operating Systems - DOS, Windows XP, MAC BOOK
- Languages - C, C++,
- Software - MS Office
- Academic Software - SAGEMATH, PYTHON

Subjects Taught

UG:

- Theory of Equations
- Graph Theory
- Real Analysis
- Linear Algebra
- Dynamics
- Statistics
- Programming in C
- Analytical Solid Geometry 2D & 3D
- Fourier Series and Transforms
- Number Theory

PG:

- Real Analysis

Working Experience

S.No.	College	Designation	Period
1	M.V.Muthiah Government Arts College For Women, Dindigul.	Guest Lecturer	Sep 2009 Onwards

Research Guidance

Degree	Total No. of Students	Degree Awarded	Viva to be Conducted	Submitted / Awaiting Result
M.Sc., Project	10	10	-	-
B.Sc, Project	4	4	-	-

M.Sc PROJECT

S.NO	REG.NO	STUDENT NAME	PROJECT TITLE
1	224321ER006	T. BANUPRIYA	INTUITIONISTIC FUZZY PMS -ALGEBRA
2	234321ER005	KOWSALYA.T	A STUDY ON APLHA FUZZY IDEAL OF C-ALGEBRA
3	234321ER010	POORNA DEVI.G	A STUDY ON FUZZY NEUTROSOPHIC PRIME IDEALS OF BCK-ALGEBRA
4	244321ER009	R. JEYASHREE	A STRUCTURAL STUDY OF INTUITIONISTIC FUZZY AND NEUTROSOPHIC LIE ALGEBRAS WITH AH ISOMETRY
5	244321ER020	A. SEBASTINA JONSE	CONSTRAINED OPTIMIZATION IN DIFFERENT FUZZY DECISION ENVIRONMENTS
6	184321ER020	K. SUNDARI	GRAPH ALGORITHMS AND ITS COMPARISON IN COMBINATORICS
7	194321ER014	B. NISHA	FUZZY SOFT GAMMA- SEMIRING AND FUZZY SOFT K – IDEAL OVER GAMMA - SEMIRING
8	204321ER015	K.PRADEEPA	A STUDY ON ANTI FUZZY GRAPH AND ITS TYPES
9	214321ER004	DHARANI SELVI. M	DOUBLE DIVISOR CORDIAL LABELING OF SOME STANDARD GRAPHS
11	214321ER010	KEERTHANA SUBHASRI. K	QM-BZ-ALGEBRA AND QUASI-HYPER BZ- ALGEBRA

B.Sc Project

S.NO.	REG.NO	STUDENT NAME	PROJECT TITLE
1	23321ER039	M. KOWSALYA	A STUDY ON FUZZY (A,B,Q) IDEALS OF BCI-ALGEBRA
2	23321ER040	C. LAKSHMI	A STUDY ON FUZZY (A,B,Q) IDEALS OF BCI-ALGEBRA

3	23321ER041	P. MAHESHWARI	A STUDY ON FUZZY PS-ALGEBRAS
4	23321ER043	P. PANDI NANDHINI	A STUDY ON FUZZY PS-ALGEBRAS

Research Papers Published in International / National Journals (Total: 7)

S.No.	Title of the Paper	Name of the Journal	Vol./No./Year/Page No.
1	Face Sum Divisor Cordial Graphs	International Journal of Fuzzy Mathematical Archive.	Vol.15, No.2, 2018, 197-204
2	Face Sum Divisor Cordial Labeling Of Cycle Related Graphs	Journal of Applied Science and Computations	Vol.VI, Issue III, March 2019, 875-881
3	Face Sum Divisor Cordial Labeling Of Wheel Related Graphs	The International Journal of Analytical and Experimental Modal Analysis	Volume XI, Issue X, October 2019, 44-48
4	Total Face Edge Sum Divisor Cordial Graphs	IJFANS International Journal of Food and Nutritional Sciences	Vol.26, Issue 2, 2022, 170-178
5	Edge Sum Divisor Cordial Graphs	Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery	Volume 11, Issue 11, 2022, 407-417
6	Face Edge Sum Divisor Cordial Graphs	Indian Journal of Natural Sciences	Vol.14, Issue 77, 2023, 54615-54620
7	Some New Families of Edge, Face Edge and Total Face Edge Sum Divisor Cordial Graphs	International Journal of Mathematics Trends and Technology	Volume 69, Issue 4, 2023, 54-68

Papers Presented in Conferences

S.No.	Title of the Paper	Title of the Seminar	Date and Venue
1	Face Sum Divisor Cordial Graphs	UGC Sponsored One Day International Seminar on Algebra & Applied Mathematics	Hajee Karutha Rowther Howdia College (Autonomous), Theni. 11 Jan 2018
2	Face Sum Divisor Cordial Labeling of Wheel Related Graphs	International Conference on Computational and Applicable Mathematics	The Quaide Milleth College for Men, Chennai. 6 Sep 2019

Participation in Conferences

S.No.	Title of the Seminar / Workshop	Date and Venue
1	National Workshop On Mathematical Modeling And Computational Mathematics	Gandhigram Rural University, Gandhigram. 23-28 February 2009
2	National Conference On Emerging Computing Paradigms	M.V.Muthaih Government Arts College, Dindigul. 25 February 2011
3	One Day Workshop On Path Of Excellence	M.V.Muthaih Government Arts College, Dindigul. 18 October 2013

S.No.	Title of the Seminar / Workshop	Date and Venue
4	Quality Metrics in Higher Education	M.V.Muthaih Government Arts College, Dindigul. 20 September 2014
5	One Day State Level Seminar on Competency in Teaching and Learning	M.V.Muthaih Government Arts College, Dindigul. 7 March 2015
6	State Level Seminar on Recent Development In Mathematics	M.V.Muthaih Government Arts College, Dindigul. 21 March 2018
7	One Day International Conference on Modern Trends in Mathematics	Hajee Karutha Rowther Howdia College (Autonomous), Theni. 10 September 2018
8	One Day State Level Seminar On Net/Set Preparation	G.T.N Arts College (Autonomous), Dindigul. 19 September 2018
9	Challenges And Changes in Revised NAAC Framework	M.V.Muthaih Government Arts College, Dindigul. 9 March 2019
10	Intellectual Property Rights	M.V.Muthaih Government Arts College, Dindigul. 9 March 2019
11	NAAC Sponsored National Level Seminar on Pedagogical Tools in Higher Education	M.V.Muthaih Government Arts College, Dindigul. 30-31 January 2020
12	Webinar on “Edge Colouring on Graphs”	Pope’s College (Autonomous), Sawyerpuram. 18 June 2020
13	One Day National Webinar on “Advances in Graph Theory”	Government College Daman, Daman (UT). 29 June 2020
14	National Webinar on “Problem Solving Techniques in Analysis”	V.O.Chidambaram College, Thoothukudi. 30 June 2020
15	A One Day Webinar on “Total Labeling in Graphs”	Thiagarajar College of Engineering, Madurai. 8 July 2020
16	Three Day Online FDP on “Fuzzy Mathematics and its Application”	Government College Daman, Daman (UT). 11-13 July 2020
17	Webinar on “Kankal Pesum”	M.V.Muthaih Government Arts College, Dindigul. 3 May 2021
18	Webinar on “Research Methodology”	M.V.Muthaih Government Arts College, Dindigul. 5 May 2021
19	A One Day Webinar on Covid-19 Awareness	M.V.Muthaih Government Arts College, Dindigul. 12 May 2021
20	Five Day FDP on “Salesforce Associate”	Madurai Kamaraj University, Madurai. 30 January - 3 February 2023
21	Five Day FDP on “IT SERVICE SUPPORT MANAGEMENT”	Madurai Kamaraj University, Madurai. 6 Jan 2025 - 11 Jan 2025