

2.Dr. S. DAISY

Designation	Guest Lecturer
Qualification	M.Sc., M.Phil., SET ., Ph.D
Department	PG and Research Department of Mathematics
Date of Birth	06.12.1985
Permanent Address	Indira Nagar, Vadakattu Patty (PO), Sanar Patty (Via), Dindigul - 624304.
Email	daisy6121985@gmail.com
Cell	8122442043
Specialization	Fuzzy Inventory Models
Area of Interest	Real Analysis, Complex Analysis

Educational Qualification

Degree	Subject	Institution / University	Year	Class
B.Sc	Mathematics	MKU Evening College, Dindigul	2006	I
M.Sc	Mathematics	MKU Evening College, Dindigul	2008	I
M.Phil	Mathematics	MKU Evening College, Dindigul	2009	I
SET	Mathematics	Mother Theresa Women's University	2017	-
Ph.D.	Mathematics	Bharathidasan University	2026	HIGHLY COMMENDED

Subjects Taught

UG:

- Differential Equations
- Graph Theory
- Real Analysis
- Complex Analysis
- Numerical Methods
- Algebra
- Calculus
- Statistics
- Sequence and Series
- Vector Calculus

PG:

- Probability and Statistics
- Number Theory
- Real Analysis

Working Experience

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

Research Guidance

Degree	Degree Awarded	Viva to be Conducted	Submitted / Awaiting Result
M.Sc., Project	11	-	-
B.Sc., Project	7	-	-

M.Sc PROJECT

S.No	REG.NO	NAME	PROJECT TITLE
1	184321ER009	G. PADMAPRIYA	SOLVING AN UNBALANCED FUZZY TRANSPORTATION PROBLEM USING VARIOUS RANKING TECHNIQUES
2	194321ER010	M. MANIMEGALAI	OPTIMAL SOLUTION FOR FUZZY ASSIGNMENT PROBLEM
3	204321ER014	T. MARGERT	A STUDY ON FUZZY GAME PROBLEM
4	214321ER008	JASMINE JENO. J	SOLUTION OF QUARATIC PROGRAMMING WITH LINEAR INEQUALITY CONSTRAINTS USING DIFFERENT METHODS
5	214321ER009	JOTHILAKSHMI. B	AN OPTIMAL SOLUTION FOR A SEQUENCING PROBLEM USING HEPTAGONAL FUZZY NUMBERS
6	22ER4321022	C.SUBHASHINI	FUZZY SHORTEST PATH PROBLEM WITH VARIOUS
7	224321ER008	J.JENITHA THAVAMANI	SOLVING OF FUZZY MATRIX GAME PROBLEM USING HEXADECAGONAL FUZZY NUMBER
8	234321ER002	JOTHIKA.V	SOLVING FUZZY ROUGH MULTI-OBJECTIVE QUADRATIC PROGRAMMING PROBLEM USING ALPHA CUT
9	234321ER017	SNEKA.V	A STUDY OF AN EOQ MODEL USING PARABOLIC DENSE FUZZY LOCK SET
10	244321ER013	S. NALINADEVI	AN ANALYTIC APPROACH TO GEOMETRIC PROGRAMMING PROBLEM UNDER TRIANGULAR AND TRAPEZOIDAL UNCERTAINTY
11	244321ER017	L. REVAYAZHINI	OPTIMIZATION OF MULTI-OBJECTIVE LINEAR FRACTIONAL PROGRAMMING PROBLEM UNDER FUZZY ENVIRONMENT

B.Sc PROJECT

S.NO.	REG.NO	STUDENT NAME	PROJECT TITLE
1	23321ER033	M. GAYATHRI	OPTIMIZING FUZZY NONLINEAR PROGRAMMING PROBLEM THROUGH EFFECTIVE RANKING METHODS
2	23321ER036	P. KALAIVANI	OPTIMIZING FUZZY NONLINEAR PROGRAMMING PROBLEM THROUGH EFFECTIVE RANKING METHODS
3	23321ER037	P. KAVIYA	A PIVOTAL OPERATION ON TRIANGULAR FUZZY NUMBER FOR SOLVING FUZZY LINEAR AND NON-LINEAR PROGRAMMING PROBLEMS
4	23321ER038	V. KEERTHANA	A PIVOTAL OPERATION ON TRIANGULAR FUZZY NUMBER FOR SOLVING FUZZY LINEAR AND NON-LINEAR PROGRAMMING PROBLEMS
5	23321ER051	M. THANGALAKSHMI	NEW APPROACH FOR WOLFE'S MODIFIED SIMPLEX METHOD TO SOLVE QUADRATIC PROGRAMMING PROBLEM
6	23321ER052	V. VARSHINI	NEW APPROACH FOR WOLFE'S MODIFIED SIMPLEX METHOD TO SOLVE QUADRATIC PROGRAMMING PROBLEM
7	23321ER053	S. VIJI	NEW APPROACH FOR WOLFE'S MODIFIED SIMPLEX METHOD TO SOLVE QUADRATIC PROGRAMMING PROBLEM

Research Papers Published (International / National: 10)

S.No.	Title of the Paper	Name of the Journal	Vol./No./Year/Page No.
1	Solution of Algebraic and Transcendental Equations Using Extended Iterative Methods	MVM Journals of Research	Vol.1, 2014
2	Optimization of Fuzzy EOQ Model with Unit Time Dependent Constant Demand and Shortages	International Journal of Mechanical Engineering and Technology	Vol.9, Issue 11, 2018
3	Economic Order Quantity in Fuzzy Sense with Allowable Shortage: Karush Kuhn-Tucker Condition Approach	Malaya Journal of Matematik	Vol.7, No.3, 2019
4	Fuzzy Economic Order Quantity Inventory Model Using Lagrangian Method	Advances in Mathematics: Scientific Journal	Vol.9, No.4, 2020
5	An Geometric Programming Approach for Deteriorating Single Item Inventory Model with Fuzzy Parameters	International Journal of Advanced Science and Technology	Vol.29, No.8, 2020
6	Single Inventory Model Under Fuzzy Environment With Demand And Shortage Level	MVM Journals Of Research	Vol.5, 2021, 2395-2962
7	Solutions to Fuzzy Inventory Model with Fuzzy Demand Rate Using Heptagonal Fuzzy Numbers	Annals of the Romanian Society for Cell Biology	Vol.25, No.4, 2021
8	Optimization of Inventory Model with Carbon Emissions - Kuhn Tucker Technique Approach using MATLAB	Indian Journal of Natural Sciences	80070-80078,2024
9	GP mode approach to optimize for a multi-product single machine fuzzy EPQ inventory model	International Journal of Multidisciplinary Trends	106-115,2025
10	A Supply Chain Model with Service Level Constraints Considering Items Using Type-2 Fuzzy Inventory System	Indian Journal of Natural Sciences	94877-94889,2025

Research Papers Presented in Conferences

S.No.	Title of the Paper	Title of the Seminar	Date and Venue
1	Solution of Fuzzy Inventory Model with Fuzzy Demand Rate Using Heptagonal Fuzzy Numbers	International Conference on Recent Trends and Technology of Mathematics and Science - 2020	Queens College of Arts and Science for Women (Affiliated to Bharathidasan University, Tiruchirappalli), Punnalkulam, Near Thanjavur, Pudukkottai - 613303, Tamil Nadu.
2	An Single Item with Fuzzy Inventory Model: Geometric Programming Approach	International Seminar on Present Trends in Applications of Mathematics - 2020	PG and Research Department of Mathematics, Holy Cross College (Autonomous), Tiruchirappalli - 2, Tamil Nadu, India. 16th and 17th November 2020.
3	Fuzzy Economic Order Quantity Inventory Model Using Lagrangian Method	National Conference on “Recent Frontiers in Fractional Calculus Theory and Its Applications (NCFCTA 2021)”	Department of Mathematics, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai, Tamil Nadu. 07th - 08th March 2021.
4	Inventory Model with Demand and Shortage Level Under Fuzzy Environments	International Conference on New Ideas in Technology and Innovations-2022 organized by Institutions Innovation Council Jointly with CSIR-IMMT	Cauvery College for Women(Autonomous) (Affiliated to Bharathidasan University), Annamalai Nagar,Trichy-620018,Tamil Nadu.
5	An Inventory Model with Time Dependent Demand and Partial Backorder Using Lagrange Method	International Conference on Innovations in Science and Humanities (ICISH - 2023)	Department of Mathematics, Saveetha Engineering College, Chennai. 19 & 20 April 2023.

Participation in Conferences

S.No.	Title of the Seminar / Workshop	Date and Venue
1	National Conference on Emerging Computing Paradigms	M.V. Muthaih Government Arts College, Dindigul. 25 February 2011
2	One Day Workshop on Path of Excellence	M.V. Muthaih Government Arts College, Dindigul. 18 October 2013
3	Quality Metrics in Higher Education	M.V. Muthaih Government Arts College, Dindigul. 20th September 2014
4	One Day State Level Seminar on Competency in Teaching and Learning	M.V. Muthaih Government Arts College, Dindigul. 7 March 2015
5	State Level Seminar on Recent Development in Mathematics	M.V. Muthaih Government Arts College, Dindigul. 21st March 2018
6	Challenges and Changes in Revised NAAC Framework	M.V. Muthaih Government Arts College, Dindigul. 9 March 2019

S.No.	Title of the Seminar / Workshop	Date and Venue
7	Intellectual Property Rights	M.V. Muthaih Government Arts College, Dindigul. 9 March 2019
8	NAAC Sponsored National Level Seminar on Pedagogical Tools in Higher Education	M.V. Muthaih Government Arts College, Dindigul. 30-31 January 2020
9	Five Day FDP on “Salesforce Associate”	Madurai Kamaraj University, Madurai. 30 Jan 2023 - 3 Feb 2023
10	Three Day FDP on “DATA ANALYTICS USING POWER BI”	Madurai Kamaraj University, Madurai. 22 Jan 2024 – 24 Jan 2024
11	Five Day FDP on “IT SERVICE SUPPORT MANAGEMENT”	Madurai Kamaraj University, Madurai. 6 Jan 2025 - 11 Jan 2025