



PROFILE

Name: Dr. NIVETHA MARTIN		
Department	Mathematics	
Designation	Assistant Professor	
Email	nivetha.martin710@gmail.com	
Teaching Experience	UG:10	PG:3



RECOGNISED EDUCATIONAL QUALIFICATIONS

S. NO.	QUALIFICATION	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
1	Ph.D.	Holy Cross College, Trichy	Bharathidasan University	2015
2	M.Sc.	Holy Cross College, Trichy	Bharathidasan University	2011
3	B.Sc., B.Ed.	Pope John Paul II College of Education, Pondicherry	Pondicherry University	2009
4	SET Mathematics		Mother Teresa University	2016
5.	M.B.A.	Madurai Kamaraj University	Madurai Kamaraj University	2013
6.	SET Management		Mother Teresa University	2017
7.	MA Christian Studies	Manonmaniam Sundaranar University	Manonmaniam Sundaranar University	2019
8.	MA Sociology	Madurai Kamaraj University	Madurai Kamaraj University	2019
9.	M.Sc Psychology	Alagappa University	Alagappa University	2021
1	Diploma in		Tamil Nadu Bishop's	20

0	Bible Course		Council Commission for Bible, Villupuram, Tamil Nadu.	21
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NPTEL COURSES COMPLETED

S.NO	NAME OF THE COURSE	DURATION	YEAR OF COMPLETION
1.	Consumer Psychology	4 weeks	2018
2.	Patent Drafting for Beginners	4 weeks	2019
3.	Modern Algebra	8 weeks	2020
4.	Laplace Transform	4 weeks	2021
5.	Introduction to Machine Learning	4 weeks	2022
6.	Stress Management	4 weeks	2022
7.	Accreditation and Outcome Based Learning	8 weeks	2022
8.	Advances in Strategic Human Resource Management	4 weeks	2023
9.	MCDM Techniques Using R	4 weeks	2023
10.	Partial Differential Equations (PDE) For Engineers: Solution By Separation Of Variables	4 weeks	2023
11.	Fuzzy Logic And Neural Networks	8 weeks	2023

WORK EXPERIENCE

S.N O	NAME OF THE INSTITUTION/ORGANIZATION	DESIGNATION	NATURE OF WORK	PERIOD
1.	Holy Cross College, Trichy	JRF under UGC Sponsored Major Project	Teaching	2 yrs
2.	NPR Arts & Science, Natham, Dindigul	Assistant Professor	Teaching	10 months
3.	PSNA CET, Dindigul	Assistant Professor	Teaching	10 months
4.	Arul Anandar College (Autonomous), Karumathur	Assistant Professor	Teaching	2016 onwards

PUBLICATIONS (CONTRIBUTIONS IN JOURNALS/EDITED BOOKS/PROCEEDINGS)

TITLE OF THE PAPER	NAME OF THE JOURNAL	JOUR. VOL	ISSUE	ISSN NUMBER	YEAR
Neutrosophic Linguistic Rhotrix in Managerial Decision Making	Neutrosophic Sets and Systems	81	1	2331-608X	2025
Plithogenic forest hypersoft sets in plithogenic contradiction based multi-criteria decision making	Neutrosophic Sets and Systems	73	1	2331-608X	2024
Plithogenic Picture Fuzzy Edas and Digital Teaching Tools	Indian Journal of Natural Sciences	13	7	0976-0997	2023
Optimal Decisions on Business Analytics Tools using Combined Plithogenic Hypersoft Sets	Indian Journal of Natural Sciences	13	76	0976-0997	2023
Integrated FCM and CFH Approaches with Picture Fuzzy Set Representations to Study the Impacts of Cyber Pedagogy	Indian Journal of Natural Sciences	13	76	0976-0997	2023
Plithogenic Critic-Mairca Ranking of Feasible Livestock Feeding Stuffs	International Journal of Neutrosophic Science	18	4	2690-6805	2022
Electronic Products Production Inventory Model with Extended Producer's Responsibility Cost Parameters	Journal of Stochastic Modeling & Applications	26	3	0972-3641	2022
Inventory Model with Deterioration Preventive Strategies During Product Distribution	Shodhsamhita	9	5	2277-7067	2022
Fuzzy Cognitive Study on Post Pandemic Impact on Occupational Shift in Rural Areas	Journal of Fuzzy Extension and Applications	3	4	E: 2717-3453 P: 2783-1442	2022
Optimal Battery Selection for Electric	Indian Journal of Natural Sciences	13	5	0976-0997	2022

Vehicles using Electre					
Inventory Model with Eco-Centric Cost Parameters in Processing Industries	Indian Journal of Natural Sciences	13	74	0976-0997	2022
Inventory Model with E-Waste Transformation to Sustainable Products	Indian Journal of Natural Sciences	13	74	0976-0997	2022
Introduction to Fuzzy Hypersoft Fuzzy Cognitive Maps	Indian Journal of Natural Sciences	13	74	0976-0997	2022
Dematel-Critic Decision Model On Features Of Industry 4.0	Journal of Advances and Applications in Mathematical Sciences	22	1	0974-6803	2022
Blended Nahp and Ncm Decision Making on Leadership 4.0 Attributes	Journal of Advances and Applications in Mathematical Sciences	22	1	0974-6803	2022
Comparison of Plithogenic Neutrosophic Approaches in Decision making via best–worst Method	AIP Conference and Proceedings	2516	1	0094-243X	2022
Eco- Conservational Manufacturing Inventory Framework for Deteriorating and Defective Products	AIP Conference Proceedings	256	1	0094-243X	2022
Defective Products and Optimization of Smart Production Inventory Model with E-logistics and Digital advertising costs parameters together with advertising errors	AIP Conference Proceedings	2516	1	0094-243X	2022
Exploration and Comparative Investigation on Neutrosophic Cognitive Maps Non – Linear	AIP Conference Proceedings	2516	1	0094-243X	2022

Hebbian Learning Algorithm in Predictive Model					
Plithogenic Sociogram with Preference Representations by Plithogenic Number	Journal of Fuzzy Extension and Applications	3	1	E: 2717-3453 P: 2783-1442	2022
Neutrosophic Sociogram Approach to Neutrosophic Cognitive Maps in Swift Language	Journal of Neutrosophic Sets and Systems	49	1	23316055	2022
Lingual neutrosophic soft matrix in optimal decision on advertising mediums and global reach of products	AIP Conference Proceedings	2393	1	0094-243X	2022
Plithogenic cognitive analysis on instigating spiritual intelligence in smart age youth for humanity redemption	AIP Conference Proceedings	2393	1	0094-243X	2022
FCM Integrated Fuzzy Graph Theory Matrix MCDM of Lifelong Learning Models	Stochastic Modeling & Applications	26	3	0972-3641	2021
Plithogenic Critic-Mairca Ranking of Feasible Livestock Feeding Stuffs	International Journal of Neutrosophic Science	18	1	2690-6805	2022
Electronic Products Production Inventory Model with Extended Producer's Responsibility Cost Parameters	Stochastic Modeling & Applications	26	3	0972-3641	2021
Fuzzy Cognitive Study on Post Pandemic Impact on Occupational Shift in Rural Areas	Journal of Fuzzy Extension and Applications	3	4	2783-1442	2022

Agile leadership strategies for teachers of Education 4.0						
Introduction to Fuzzy Hypersoft Fuzzy Cognitive Maps:	Indian Journal of Natural Sciences	13	74	0976-0997	2022	
Inventory Model with Eco-Centric Cost Parameters in Processing Industries in the Indian Journal of Natural Sciences	Indian Journal of Natural Sciences	13	74	0976-0997	2022	
A Production-Based Inventory Model with E-Waste Transformation to Sustainable Products	Indian Journal of Natural Sciences	13	74	0976-0997	2022	
Graduate Attributes Towards Holistic Development						
LOCF Success Strategies						
Induced Plithogenic Cognitive Maps with Combined Connection Matrix to investigate the glitches of online learning system	Neutrosophic sets and systems	43	1	23316055	2021	
COVID-19 Decision-Making Model using Extended Plithogenic Hypersoft Sets with Dual Dominant Attributes	International Journal of Neutrosophic Science	13	2	2690-6805	2021	
PROMTHEE Plithogenic Pythagorean Hypergraphic Approach in Smart Materials Selection	International Journal of Neutrosophic Science	13	1	2690-6805	2021	

Optimal ranking of nanotoxicity assessment methods using interval-valued neutrosophic multicriteria decision making	Materials today proceedings	43	6	2214-7853	2021
COVID 19 Social Distancing and Profit Maximization Inventory Model with Overage	Journal of Information Technology in Industry	9	1	2203-1731	2021
Smart Materials production model with Costs associated with Decision Making on various perspectives	Malaya Journal of Matematika	9	1	2319-3786	2021
New Plithogenic sub cognitive maps approach with mediating effects of factors in COVID-19 diagnostic model	Journal of Fuzzy Extension and Applications	2	1	2717-3453	2021
Neutrosophic Optimization of Industry 4.0 Production Inventory Model	Neutrosophic sets and systems	38	1	23316055	2021
Outlook on Strategies to Blend with Blended Learning	2021				

Decision Making on Teachers' adaptation to Cybergogy in Saturated Interval- valued Refined Neutrosophic overset /underset /offset Environment	International Journal of Neutrosophic Science	12	2	2690-6805	2020
Smart Materials Selection Using COPRAS in Lingual Neutrosophic Environment	Solid State Technology	63	5	0035-111X	2020
Fuzzy cognitive maps with linguistic concentric fuzzy hypergraphic approach to rank the benefits of outcome based education	2020				
Optimization of Inventory Model for Electrical Power Consumption of Two Transmission Stations with Different Demand Patterns and New Costs Parameters	Solid State Technology	63	2	0035-111X	2020
Managerial decision making using best worst method with multi-valued neutrosophic approach	Advances in Mathematics: Scientific Journal	9	4	1857-8365	2020
Eco- conscious customer centric inventory model with fractional order approach	Advances in Mathematics: Scientific Journal	9	4	1857-8365	2020
Non-linear hebbian learning algorithm for intuitionistic fuzzy cognitive maps in predictive model	Advances in Mathematics: Scientific Journal	9	4	1857-8365	2020

Introduction to Combined Plithogenic Hypersoft Sets	Neutrosophic Sets and Systems	35	1	23316055	2020
Multi-goal accomplishing strategy selection to lead Farming Sector towards Progressive Phase amidst COVID19 using Linguistic Neutrosophic Soft set	Journal of Information and Computational Science	10	7	1548-7741	2020
Exploration of the FactorsCausing Autoimmune Diseases using Fuzzy Cognitive Maps with Concentric Neutrosophic Hypergraphic Approach	Neutrosophic Sets and Systems	35	1	23316055	2020
Concentric Plithogenic Hypergraph based on Plithogenic Hypersoft sets – A Novel Outlook	Neutrosophic Sets and Systems	33	1	23316055	2020
Concurrent production and rework inventory management of electrical components	Advances in Mathematics: Scientific Journal	9	5	1857-8365	2020
Polycystic ovarian syndrome a threat to infertility in women - diagnosis by neutrosophic linguistic fuzzy matrices	Advances in Mathematics: Scientific Journal	9	5	1857-8365	2020
Inventory model to combat e-waste management costs	Advances in Mathematics: Scientific Journal	9	5	1857-8365	2020

Factors contributing towards constructivist learning environment - analysis using FCM with interval valued LNCH approach	Advances in Mathematics: Scientific Journal	9	5	1857-8365	2020
Plithogenic n- Super Hypergraph in Novel Multi -Attribute Decision Making	International Journal of Neutrosophic Science (IJNS)	7	1	2690-6805	2020
ANN & SEM Environment to study Indus- Inst Partnership and E-Professional Enrichment amidst Pandemic Outbreak	Mukt Shabd Journal	9	5	2347-3150	2020

Is Female Infanticide Reviving in 2020?– Analytical study with Fuzzy Perspective	Studies in Indian Place Names	40	76	2394-3114	2020
Fuzzy Relational Investigation of Political Participation of Women	Studies in Indian Place Names	40	76	2394-3114	2020
Plithogenic Cognitive Maps in Decision Making	International Journal of Neutrosophic Science (IJNS)	9	1	2690-6805	2020
Has COVID-19 Social Distancing Bridged Small Scale Vendors and Social Network? – A Fuzzy Outlook	Studies in Indian Place Names	40	76	2394-3114	2020
Risk Factors of Lifestyle Diseases – Analysis by Decagonal Linguistic Neutrosophic Fuzzy Cognitive Map	Materials Today: Proceedings	24	1	2214-7853	2020
Role of Higher Educational Institutions in the Growth of Non-formal Sectors with Special Reference to Arul Anandar College in the	Think India journal	22	10	0971-1260	2020
Environmental Values and Skills through Green Education for Green Society	Think India journal	22	10	0971-1260	2020

Prioritizing the Obstacles Inbuilding Swipe and Touch Class Room Environment using Blended Method	Journal of Interdisciplinary Cycle Research	9	10	0022-1945	2019
Evolution of Concentric Fuzzy Hypergraph for Inclusive Decision Making	International journal of Engineering and advances Technology	9	6S3	2249-8959	2019
Analysis of the Risk of Ebola Virus Disease: Fuzzy Vikor Method Based on the Possibility Theory	International Journal of Management and Applied Science	5	9	2394-7926	2019
Higher Educational Institutions –the Generators of Various Genres of Entrepreneurs: A Fuzzy Cognitive Investigation	Infokara Research	8	11	1021- 9056	2019
Micronutrient Deficiency Stabilizing Model Using Fuzzy Relational Cognitive Maps with Hesitant Fuzzy Soft Sets	International journal of Analytical and Experimental Modal Analysis	9	7	0886-9367	2019
A Linguistic Approach of IFSM with Euclidean Distance in Decision Making of Compatible Waste Treatment Methods in the	International journal of Applied Mathematics and Information Sciences	13	S1	2325-0399	2019

Multi-Objective Multi Time Span Fractional Capacitated Transportation Problem in the Two Echelon Supply Chain with Multiform Items and Mixed Constraints in the Engineering	International journal of Recent Technology And Engineering	8	2S3	2277-3878	2019
L3 through ICT CFT version 3: Emphasize on Teacher Professional Learning in the Commonwealth of Learning	2019				
Student's Low Academic Performance Appraisal Model with Hypergraphic Approach in Fuzzy Cognitive Maps	Journal of Information and Computational Science	9	8	1548-7741	2019
Application of New AdditiveRatio Assessment (NARAS) Method in Selection of Material for Optimal Design of Engineering Components	Materials Today: Proceedings,	11	1	2214-7853	2019
Contemporary Challenges of Digital Marketing: Ranking Analysis by Fuzzy Cognitive Maps	International journal of basic and applied research	9	6	2249-3352	2019
E-Commerce Inventory Model with Disruptive Technology	Journal of Applied Science and Computation	6	4	1076-5131	2019

Ranking the Benefits of Online Learning in Student's Perspective Using Linguistic Fuzzy	Journal of Applied Science and Computation	6	4	1076-5131	2019
Resolving manpower allocation Problem using LDIFS and NEDM	Journal of Applied Science and Computation	6	4	1076-5131	2019
Exploration of the Impacts of Blended Learning In Higher Education Using CBDLHFCM	International Journal of Recent Technology and Engineering	7	6	2278-0181	2019
Intervention of Environmental Engineering Principles in the Investigation of the Viable Air Pollution Mitigation Methods with IFS Tool	International Journal of Innovative Technology and Exploring Engineering	8	4	2278 3075	2019
Octa-Hexa fuzzy PROMTHEE for ranking the feasible industrial waste management methods	Pramana Research Journal	9	6	2249 2976	2019
A Study on Industrial Problems using Garette Techniques	BULMIN Journal of Management and Research	4	1	2455 3298	2019
Exploring the Core Attributes of Digitalization Causing High Impact on Learning Trends Of Students Using LIFAM	International Journal of Engineering & Technology	7	10	2227-524X	2018

Analysis of the contributing factors of the low productivity of small scale industries in India using OLFCM	International Journal of Pure and Applied Mathematics	119	18	1314-3395	2018
Analysis of the need of green economics using fuzzy cognitive maps with hexagonal weights	AIP Conference Proceedings	1952	1	1551-7616	2018
Intuitionistic Fuzzy Statistical Study on Professionals Perception of Futuristic Transitional impacts of Digital India on Higher Education	Global Journal of Pure and Applied Mathematics	14	1	0973-1768	2018
Ranking the problems of CRM using LMDA	International Journal of Pure and Applied Mathematics	118	10	1314-3395	2018
Application of IFSMT in the Decision Making Process of Waste Management Techniques for the Industrial Sectors	Iaetsd journal for Advanced Research in Applied Sciences	5	3	2394-8442	2018
Optimization of Inventory Model with the Incorporation of the Associated Costs of Product Innovation	Iaetsd journal for Advanced Research in Applied Sciences	5	3	2394-8442	2018

Determination of the Vulnerable age Group of Women Getting Affected by thyroid Cancer Considering Environmental Effects in the journal of Ecology, Environment and conservation	Ecology, Environment and conservation	24	Special Issue	097176-5X	2018
Ranking the Problems of Women Entrepreneurs in India Using VIKOR Method with LONSM	International Journal of Mathematics Trends and Technology	Special Issue		2231-5373	2018
Analysis of the contributing factors of the low productivity of small scale industries in India using OLFCM	International Journal of Pure and Applied Mathematics	119	18	1314-3395	2018
Causative Factors of Gestational Diabetics in Women – An analysis on the consequential impacts using LASFCM	Mapana Journal of Sciences	17	3	0975-3303	2018
(α, β) – cut of intuitionistic anti-fuzzy m-subgroups	International Journal of Mathematical Archive-	9	5	2229 – 5046	2018
Optimization of unbalanced trapezoidal fuzzy assignment problem	International Journal of Mathematical Archive-	9	5	2229 – 5046	2018
Optimization of an inventory model considering the costs of transportation and its associated emission in steel industries	International Journal of Mathematical Archive-	9	5	2229 – 5046	2018

Economic Production Quantity Model for Green Quality Products with its Associated Costs of Product Switching and Three Step Production	Journal of Applied Science and Computations	5	11	1076-5131	2018
Urbanization a Cause of Health Disaster: Ranking Analysis by Decagonal FCM	International journal of Management Technology and Engineering	8	9	2249-7455	2018
Ranking of the Factors Influencing Consumer Behaviour Using Fuzzy Cognitive Maps	Asia Mathematika	2	3	2457-0834	2018
A Case Study on The Problems Faced by the Entrepreneurs of Karumathur in Madurai District	Global Journal of Finance and Management.	9	1	0975-6477	2017
An Analysis of Traditional Catastrophe in Tamil Nadu Using NEDIFVAM	Middle East Journal of Scientific Research	25	2	1990-9233	2017
Exploration of Factors Stimulating the Adsorption of Biochemical Elements in the Behavioural System of Childhood using Nonagonal Weights	International Journal of ChemTech Research	10	14	0974-4290,	2017

An Analysis on the Consequential Impacts on Gender Mainstreaming in Educational Institutions for Gender Equity Management using Fuzzy Clustering	International Journal of Research in Management & Social Science	5	3	2349- 2163	2017
An Investigation of the Risk Factors Inducing Insomnia using Fuzzy Weighted Multi Expert Neural Network System	International Journal of Pure and Applied Mathematics (Scopus Indexed)	113	6	1314-3395	2017
A Comparative Analysis of Crisp and Fuzzy Eco-Conscious Inventory models	International Journal of Pure and Applied Mathematics	117	20	1314-3395	2017
Challenges of Rural Marketing in India using Hexagonal Neutrosophic Associative Fuzzy Cognitive Maps	International Journal of Pure and Applied Mathematics	117	12	1314-3395	2017
An Investigation of the Risk Factors Inducing Insomnia using Fuzzy Weighted Multi Expert Neural Network System	International Journal of Pure and Applied Mathematics	113	6	1314-3395	2017

Properties of Lower Level Subsets of Intuitionistic Anti L- Fuzzy M-Subgroups	International journal of Scientific Research in Science, Engineering and Technology.	3	8	2394-4099	2017
Analysis of the Factors Contributing to Efficient Inventory Management using Fuzzy Weighted Multi Expert Neural Network System	International Journal of Innovative Research in Advanced Engineering	4	9	2349-2163	2017
An analysis of the shortcomings of weather forecast by IMD Over developed countries weighted multi expert artificial neural network system using neutrosophic fuzzy	International Journal of Current Research and Modern Education	Special Issue		245 5 – 5428	2017
An analysis on the consequential impacts	International Journal of	5	3	2322-0899	2017

of gender mainstreaming in educational Institutions for gender equity management using fuzzy clustering	Research in Management and Social Science				
An Investigation on the Combined Effects of E-Commerce and Digitalization on Production Sectors using Nonagonal Fuzzy Relational Maps	International Journal of Computational and Applied Mathematics	12	1	1819-4966	2017
An Analysis of the Associated Implications of Green Manufacturing Using Fuzzy Cognitive Maps	Materials Today Procedia	4	2	2214-7853	2017
Nano Topological Modeling of the Selection of Compatible Methods for Effluent treatment in Tannery Industries for environmental Conservation	Global Journal of Pure and Applied Mathematics	13	6	0973-1768	2017
Outlook of employee predominant professional standards in Nanotopological perspective	Global Journal of Pure and Applied Mathematics	13	1	0973-1768	2017
An Analysis of Traditional Catastrophe in Tamil Nadu Using NEDIFVAM	Middle East Journal of Scientific Research	25	2	1990-9233	2017
An Inventory Model with the inclusion of Eco-Conscious Production Cost parameters	International Journal of Innovative Research in Science,	5	12	2347-6710	2016

	Engineering and Technology				
Determining the Age Group of Students Getting High Aversion towards Mathematics Using Fuzzy CETD Matrix	Imperial Journal of Interdisciplinary Research	2	16	2454-1362	2016
Optimization Of An Instant Inventory Model To Meet The Challenges Of Complex Equipment Manufacturing Industry	International journal of Engineering Science and Mathematics	5	3	2320-0294	2016
Optimization of an economic green manufacturing inventory model using fuzzy geometric programming	International Journal of Advanced Research	4	7	2320-5407	2016
A study on degree of importance of Green Manufacturing Elements in Production Sectors Using Statistical Approach	Middle-East Journal of Scientific Research	24	4	ISSN : 1990-9233	2016
A Study on Anti Fuzzy Subgroups as Products	Quest International of Multidisciplinary Research Journal	5	5	2250 – 1630.	2016

An Analysis of the influential advantage of bio treatment over mechanical processing in conversion of Cr (VI) to Cr (III) in	International Journal of Advanced Engineering, Management and Science	2	7	2454-1311	2016
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Leather Industry using Fuzzy Cognitive Maps					
Reasons for Adolescent's Social Network addiction and its impact on Academics - An Analysis using Induced Linked Fuzzy y Relational Mapping Using Hexagonal Fuzzy number	Elixir, Applied Mathematics	97	1	2229-712X	2016
Optimization of an inventory model considering the cost of green research and green analysis of the product in multi dimensional aspect using Decagonal Fuzzy Number	Elixir, Applied Mathematics	97	1	2229-712X	2016
Determination of a global action plan to mitigate the fear of mathematics among the Engineerin g students using Multi-Step FCM Approach	International Journal of Applied Engineering Research	10	85	0973-4562	2015
Bio – Friendly EPQ Inventory Model incorporating the cost of green energy to create light pollution free society	International Journal of Applied Engineering Research	10	85	0973-4562	2015
An analysis of driving performance error using Fuzzy Triangular four matrix of success and new hexagonal fuzzy number in Fuzzy Cognitive maps	International Journal of Applied Engineering Research	10	85	0973-4562	2015

Causes of Math Anxiety in Engineering	Global Journal of Pure and	11	5	0973-1768	2015
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Students-An Analysis using Induced Fuzzy Cognitive Maps (IFCM) with TOPSIS	Applied Mathematics				
Economic Production Inventory model with the associated costs of internet advertising to acquire customers residing worldwide,	International Journal Of Computers & Technology	12	9	2278-5183	2014
Environmental oriented inventory model and benefits of Incineration as waste disposal method	Ariyabhatta Journal of Mathematics	5	1	0975-7139	2014
Inventory model for small scale retailers with local Advertisements	International Journal of Engineering Sciences	2	2	2277-9655	2013
Replenishment policy for EMQ model with Rework, Multiple Shipments, Switching and Packaging	International Journal of Engineering Research & Technology	2	1	2278-0181	2013
EOQ Model with Package Cost	Elixir Pollution	46.		2229-712X	2012

BOOKS/JOURNALS PUBLISHED OR EDITED

NAME OF THE BOOK/JOURNAL/ CONFERENCE PROCEEDINGS	WHETHER JOURNAL/BOOK / CONFERENCE PROCEEDINGS	AUTHOR / CO-AUTHOR	ISSN/ ISBN NO	PUBLISHER AND PLACE	YEAR OF PUBLISHING AND EDITION
A Study on Fuzzy Relational Maps.	Book	Author	978-620-2-06856-7	Lambert	2017

Evolution of Concentric Fuzzy Hypergraph	Book	Author	978-613-3-99108-8	Lambert	2019
Green Economics- The need of the Hour	Book	Author	978-620-0-07788-2	Lambert	2019
World of Neutrosophy	Book	Author	9781637142189	Notion Press	2020
Gandhi A Global Perspective	Book Chapter Christ and Gandhi: two sides of same coin	Author	978-81-948690-0-9	CT, Printers	2020
Proceedings of One day International Conference on Recent Advances in Interdisciplinary Mathematical Science	Book Proceedings	Author	978-93-89817-45-4	Ideal International Publications	2021
Advanced Aspects of Engineering Research	Book Chapter Multi-Step FCM Approach in Exploring the Strategies of Mitigating the Fear of Mathematics among the Engineering Students	Author	978-93-90888-02-3	BP publishers	2021
Recent Trends in Management and Commerce	Book Chapter A New Genre of Inventory Models with Elements of Social Commerce and Pertinent Outlays.	Author	978-81-936097-6-7	RSRI Publishers	2021
Societal Conscious Fuzzy Cognitive Models	Book	Author	978-93-91077-43-3,	SKRGC Publication	2021
Contemporaneity of	Book Chapter	Author	978-81-	RSRI	2021

Language and Literature in the Robotized Millennium	Transitional Impacts from New Normal to Normal in Education		936097-3-6	Publishers	
Advances and Applications of Fuzzy Sets and Logic	Book Chapter Fuzzy Decision Making on the Impacts of Corporate Environmental Responsibility and Citizen Science Approaches	Author	978-1-7998-7979-4	IGI Publishers	2022
L3 for Sustainable Development	Book Towards Green Globe	Author	978-93-91077-87-7	SKRGC Publication	2022
Modern Approaches to mathematics and Computer Science (Volume-I)	Book Chapter Fuzzy Cognitive Inferences on the Institutional Challenges towards NAAC Reaccreditation	Author	978-93-933333-0-8	Island Publishers	2022
Modern Approaches to mathematics and Computer Science (Volume-II)	Book Chapter A Comparative Study on DEA Decision Making in Crisp and Linguistic Fuzzy Environment	Author	978-93-933333-1-5	Island Publishers	2022
Pilaithiruthapadumo?	Book	Author	978-93-91077-28-0	SKRGC Publication	2022
Cognitive Intelligence with Neutrosophic Statistics in Bioinformatics	Book Chapters Neutrosophic Diagnosis of rural Women Vulnerable to Anemia Post-Pandemic Impact on the Occupational Shift of Rural Populace –a Case Study using Neutrosophic Comparison t-test Neutrosophic Statistical Analysis of Hybrid Work Model of Medical Professionals	Author	ISBN: 978-0-323-99456-9	Academic Press indexed in Elsevier,	2023

REVIEWER DETAILS

NAME OF THE JOURNALS	DATE
Asian Journal of Probability & Statistics	2023
International Journal of Neutrosophic Science	2020
Pure and Applied Mathematics	2018

CONSULTANCY OFFERED

STATUS-CONSULTANT/ CO CONSULTANT	NATURE OF CONSULTANCY	ORGANISATION/INSTITUTION OFFERED	(PAID/ HONORARY)	AMOUNT	PERIOD/ DATE S
Consultant	OBE	GTN Arts College (Autonomous).Dindigul	Honorary	8000	Sep 2 , 2020

Ph.D Guideship Details

SUBJECT	UNIVERSITY	GUIDESHIP ID NO	NO OF SCHOLARS PURSUING	NO OF SCHOLARS COMPLETED
Mathematics	Madurai Kamaraj University	1919	4	-

PAPERS PRESENTED IN SEMINARS/CONFERENCES/WORKSHOP

TITLE OF THE PAPER	TITLE OF THE SEMINAR/ CONFERENCE/ WORKSHOP	LEVEL OF SEMINAR/ CONFERENCE/WORKSHOP	ORGANIZING INSTITUTION	DATE
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“ Economic Production and Remanufacturing Model with Learning Effects with Transportation Costs”	International conference on Mathematical and Computational Models	International	PSG college of technology, Coimbatore	December 19-21,2011
“ Fuzzy Inventory Model with Optimal Replenishment Policy"	National Conference on Pure and Applied Mathematics	National	SRM University, Chennai	February 8-9, 2012
“Environmental Sustainable Fuzzy Inventory Model”	National conference on Recent trends in Mathematics	National	S.D.N.B Vaishnav College for Women, Chennai	February 10, 2012
“ Inventory Model with Pricing Measures”	International conference on Mathematics and Engineering and	International	Stella Maris College and Loyola Institute of Business Administration,	March 9-10, 2012
“Inventory Model with Environment Sustainable, Flexible and Reliable Production System”	National conference on Mathematical modeling and Global Perspective	National	Velammal Engineering College, Chennai	April 27,2012
An Inventory Model with Quality, Reliability and Flexibility”	International conference on Mathematical modeling and soft computing	International	Coimbatore Institute of Technology	July 11 – 13, 2012
Eco- Friendly Production Inventory Models with Green Costs	National Conference on Modern Aspects of Theoretical and Applied Mathematics	National	PSNA CET,Dindigul	April 9 th - 10 th 2015

Determination of a global action plan to mitigate the fear of mathematics among the Engineering students using Multi-Step FCM Approach	First International Conference on Modeling, Simulation and Control	International	Karpagam College of Engineering, Coimbatore	October 15 th -16 th , 2015
An analysis of driving performance error using Fuzzy Triangular four matrix of success and new hexagonal fuzzy number in Fuzzy Cognitive maps	First International Conference on Modeling, Simulation and Control	International International International	Karpagam College of Engineering, Coimbatore	October 15 th -16 th , 2015
Bio – Friendly EPQ Inventory Model incorporating the cost of green energy to create light pollution free society	First International Conference on Modeling, Simulation and Control	International International	Karpagam College of Engineering, Coimbatore	October 15 th -16 th , 2015
Advertisements in consumer's purchasing behaviour- An Induced Linked Fuzzy Cognitive Map (ILFCM) Analysis	National Conference on Pure and Applied Mathematics	National	Alagappa University	March 30 th – 31 st , 2016

A Study on Degree of Importance of Green	International Conference on Computing, Communication	International	Holy Cross Academy, Mala, Kerala	April 7 th - 8 th , 2016
An Analysis of the Associated Implications of Green Manufacturing Using Fuzzy Cognitive Maps	International Conference on Computing, Communication Nanoscience, Nanophotonics Nanomaterials and Nanotechnology	International	Holy Cross Academy, Mala, Kerala	April 7 th - 8 th , 2016
Effects of Green Products: An Analysis Using Mathematical Tool	National Level Conference on Big Data and Analytics for Business	DST sponsored National	PSNA College of Engineering and Technology	April 29th, 2016
Greenification of Conventional Costs of Production Inventory Model	National Level Conference on Big Data and Analytics for Business	DST sponsored National	PSNA College of Engineering and Technology	April 29th, 2016
An Analysis of the success of Electronic Supply Chain Management using Statistical tools	National Level Conference on Big Data and Analytics for Business	DST sponsored National	PSNA College of Engineering and Technology	April 29th, 2016
Estimation of Green Cost for Implementing Green Approaches in the Production Sectors to Create Green and Clean Environment using inventory model	International Conference on Environmental Impact in Manufacturing, Biotechnology and Construction USA San Diego	International	ISSRD, USA San Diego (Via Virtual Participation)	September 24 -25 2016

An Analysis of the Health Issues of Touch Screen Mobiles in Youth using Simple FCM	National Conference on Mathematics and its Applications	National	Mangayakarasi college of arts and science for women	October 1, 2016
Fuzzy Matrix Analysis of Determining the vulnerable age group of the risk of Carpel Tunnel Syndrome	National conference on role and application of statistics in Multidisciplinary Research	National	Thanthai Hans Roever College, Perambalur.	October 7 th 2016,
Profit Maximization of E- Inventory model considering the Capital challenges of E-Commerce.	One Day National Conference on “Present Scenario in Graph Theory”	National	Mannar Thirumalai Naicker College, Madurai	December 16 th ,2016
A Study on the Risk Factors of Insomnia Causing Health Disasters using Fusion Method	International Conference on mathematical Computer Engineering	International	VIT Chennai Campus	Dec 16 - 17,2016
An Investigation of the Risk Factors Inducing Insomnia Using Fuzzy Weighted Multi Expert Neural Network System	National Conference on Mathematical Techniques and Applications	National	SRM University Chennai	Jan 27 th , 28 th 2017

An Inventory Model encompassing the features of Industrial Ecology in Startup industrial sectors	International Conference on Newer Engineering Concepts & Technology	International	K. Ramakrishnan College of Technology	28 th -29 th , March 2017
An Investigation on the Combined Effects of E-Commerce and Digitalization on Production Sectors using Nonagonal Fuzzy Relational Maps	National Conference on Mathematical Modelling	National	CPA College, Bodinayakanur	30 th -31 st March, 2017s
Exploration of Factors Causing Immorality Behaviour in childhood from Teacher's Perspective using Nonagonal Weights	International Conference on Modelling Simulation and Control.		Karpagam College of Engineering, Coimbatore	April 1 st & 2 nd 2017.
An Analysis of the Short Coming of Weather Forecast by IMD over Developed Countries using Neutrosophic Fuzzy Weighted Multi Expert Artificial Neural Network System	National Conference on Emerging Trends in Mathematics .	National	AVM Sri Pushpam College (Autonomous), Poondi, Thanjavur	On 28 th July 2017

An Analysis on the consequential Impacts of Gender Mainstreaming in Educational Institutions for Gender Equity Management using Fuzzy Clustering	2 nd International Conference on Opportunities & Challengers in Management and Social Sciences	International		30.06.2017
Analysis of the Need of Green Economics using Fuzzy Cognitive Maps with Hexagonal Weights	International Conference on Modern Technologies in Engineering and Science (ICMTES)-2017	International	Institute of Research in Engineering and Technology, Andhra Pradesh, India	18.08.2017 & 19.08.2017
An Investigation of the Impediments Faced by Women Research Scholars using Fuzzy Matrix	State Level Conference on Recent Trends in Applied Mathematics	State Level	VHNSN College, Virudhunagar	30.08.2017
A Study on the Influential Characteristics of M-Commerce using Fuzzy Cognitive Maps	State Level Conference on Recent Trends in Applied Mathematics	State Level	VHNSN College, Virudhunagar	30.08.2017
Analysis of the Risk Factors of Ischemic Heart Disease using Fuzzy Weighted Relational Maps	State Level Conference on Recent Trends in Applied Mathematics	State Level	VHNSN College, Virudhunagar	30.08.2017

Industrial Resistant Inventory Model Incorporating the Tactics of Production Management in Monetary Terms	State Level Conference on Recent Trends in Applied Mathematics	State Level	VHNSN College, Virudhunagar	30.08.2017
An Application of Chaos Theory in the Formulation of Industrial Strategies for Environmental Sustainability	National Conference on Dynamical Systems and Chaos	National	Government Arts College, Coimbatore	11.09.2017 to 13.09.2017
A Waste Management Model for the Production Sectors to Promote Environmental Sustainability	International Conference on Collaborative Research in Mathematical Sciences-ICCRMS 17	International	KG College of Arts and Sciences, Coimbatore	23.09.2017
A Comparative Analysis of Crisp and Fuzzy Eco-Conscious Inventory Models	International Conference on Mathematical Impacts in Science and Technology	International	Bannari Amman Institute of Technology, Sathyamangalam	17.11.2017 & 18.11.2017
Analysis on the Challenges of Rural Marketing in India using Hexagonal Neutrosophic Associative Fuzzy Cognitive Maps	International Conference on advances in Applicable Mathematics	International	Bharathiar University, Coimbatore	07.12.2017 & 08.12.2017
Ranking the Problems of Customer Relationship Management using Linguistic Mean Delphi Approach	National Conference on Emerging Trends in Mathematical Sciences (NCETMS-2017)	National	S.A. Engineering College, Chennai	22.12.2017

Determination of the Vulnerable Age Group of Women Getting Affected by Thyroid Cancer	12 th International Conference on Intelligent Systems and Control	International	Karpagam College of Engineering, Coimbatore	05.01.2018 & 06.01.2018
Ranking the risk factors of customer defection using FAHP	National Conference on Mathematical Techniques and Applications	National	SRM University	3.11.2017 & 4.11.2017
Analysis of Tannery Effluent Treatment Techniques using weighted digraph combined with DEMATEL and AHP	International Conference on mathematical Computer Engineering	International	VIT Chennai Campus	3.11.2017 & 4.11.2017
Optimization of Economic Production Quantity with Customer Retention Model	International Conference on Computing Sciences	International	Loyola College, Chennai	08.01.2018 & 09.01.2018
Analysis of Custmer's Choice of E-Commerce Company using AHP	Modern Mathematics and its Applications	National	American College, Madurai	22.01.2018 & 23.01.2018
Homomorphisms and Anti-Homomorphism of Lower Level.	Modern Mathematics and its Applications	National	American College, Madurai	22.01.2018 & 23.01.2018

Fuzzy Optimization of Eco- Transportation using Dual Method of alpha-cut.	Modern Mathematics and its Applications	National	American College, Madurai	22.01.2018 & 23.01.2018
Application of IFSMT in the Decision making process of waste management techniques for the Industrial sector	Mathematical Applications in Algebraic Graph Theory, Optimization Technique and Network Theory	National	Mother Teresa University, Kodaikanal	2.02.2018
Optimization of Inventory model with the incorporation of the associated costs of Product innovation	Mathematical Applications in Algebraic Graph Theory, Optimization Technique and Network Theory	National	Mother Teresa University, Kodaikanal	2.02.2018
Ranking the factors causing emotional challenges in the students using Hexagonal Fuzzy Cognitive Maps	Innovations in Engineering and management	National	INFO Institute of Engineering	17.03.2018
Ranking the problems of women entrepreneurs in India using VIKOR method with LONSM	Application of Chemical, Graph, Fluid Dynamics and Queuing Theory in Science Engineering and Technology.	National	Sriram Engineering College	24.03.2018
Attributes of Digitalization causing High Impact of learning trends of students using LIFAM	Advanced Science and Engineering Research	International	AL-Ameen Engineering College, Erode	05.04.2018

Inventory model with the unification of the cost parameters of total quality management	Sustainable Business Practices	National	PSNA CET, Dindigul	20.04.2018
Ranking the problems of Corporate Man Power planning and its solutions using Electre Method	Recent Trends in Multi-Disciplinary Research	International	V.O.Chidambaram College, Thoothukudi	19.04.2018 & 20.04.2018
International Multi conference on computing, communication, Electrical and Nano technology.	Application of New Additive Ratio Assessment method of selection of material for optimal design of engineering components.	International	Mangalam College of Engineering, Kottayam, Kerala	26-4-2018-27.04.2018
International Web Conference on Smart Engineering Technologies 2020 (IWCSET - 2020)	Plithogenic Ranking approach in exploring requirements of Smart Small Scale Factories	International	Ramco Institute of Technology, Rajapalayam	26 - 27 June 2020.
2 nd RSRI Conference on Contemporaneity of Language and Literature in the Robotized Millennium	Clear glitches to Gear learning in Online Atmosphere	National	SRMIST, Ramapuram and REST Society for Research International	23rd and 24th September 2020
The 51st Annual Iranian Mathematics Conference	Multi-Strategy Decision-Making On Enhancing Customer Acquisition Using Neutrosophic Soft Relational Maps	International	University of Kashan	15-20 Feb, 2021

RSRI Conference on Recent trends in Science and Engineering	Lingual Neutrosophic soft Matrix in Optimal Decision on Advertising Mediums and Global reach of products	National	Rest Society of Research International	27 March 2021 to 28 March 2021
2021-International Conference on Multidisciplinary approaches in Humanities, Management and Sciences	Fuzzy Sociogram Approach in Cognitive Maps to explore the factors fostering the Emotional Intelligence of the learners of present age	International	Sri S. Ramasamy Naidu Memorial College, Sattur Virudhunagar	30 April,2021
National Conference on Emerging Trends in Engineering Sciences	Optimal Plithogenic Multi-criteria Decision Making on Food Processing Techniques	National	Karpagam Academy of Higher Education (Deemed to be University) Coimbatore	17, May 2021
National Virtual conference on National Educational Policy:A quality enhancer of inculcation of Human values in Higher Educational Institutions	Outlook on Strategies to blend with Blended Learning	National	AMET (Deemed to be University)	8-10 June 2021
2 nd International Conference on Mathematical Techniques & Applications	Optimization of SMART Production Inventory Model with E-logistics and Digital advertising costs parameters together with advertising errors	International	SRM University, Chennai	24 - 26 March, 2021
	Comparison of Plithogenic and Neutrosophic Approaches in			

	Decision Making via Best –Worst Method			
	Exploration and Comparative Investigation on Neutrosophic Cognitive Maps Non – Linear Hebbian Learning Algorithm in Predictive Model			
	Eco- Conservational Manufacturing Inventory framework for Deteriorating and Defective Products			
XXII Annual International Conference on New Directions in Higher Education in Post COVID 19Era:Global perspective	Quality Governance Initiatives in Higher Educational Institutions: A futuristic perspective towards Assessment and Accreditation	International	Delhi School of Professional Studies and Research	12-13, June 2021
24th FAI International Conference – 2021 On Global Trends of Data Analytics in Business Management, Social Sciences, Medical Sciences and Decision making 24th FAI- ICDBSMD 2021	Comparative study on conventional FCM and fuzzy sociogram decision-making approaches of Cognitive maps Inventory model with Quality assurance costs parameters to combat pandemic challenges of food Processing Industries Plithogenic FUCOM-MAIRCA to prioritize key sustainable factors and suppliers for transforming business sectors to Green Globe Creators	International	• FATER Academy of India • Institute of Technology, Gopeshwar, India • UNIFACVEST – University Center, Brazil	25, 26 & 27 June 2021

International Conference on Exploration of Contemporary Mathematical Sciences 2022	Dematel – Critic decision modal on features of industry 4.0	International	Mannar Thirumalai Naicker College, Madurai	17 & 18, March 2022
International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience and Nanotechnology	Optimal Battery Selection for Electric Vehicles using Electre	International	Mangalam College of Engineering, Kottayam	28 & 29 April 2022
International Conference on HR Traversing from Linear to Circular Economy	Agile Leadership Strategies for teachers of Education 4.0	International	Stella Maris College, Chennai	23 May 2022
International Conference on Analysis and Number Theory- 2022	Mastitis Disease Diagnosis in Dairy Cattle using Artificial Neural Networks	International	Ayya Nadar Janaki Ammal College and Ralapalayam and The Standard Fireworks College for Women, Sivakasi	27-29 October 2022
International Conference on Analysis and Number Theory- 2022	Random Forest Algorithm in Ranking Production Materials	International	Ayya Nadar Janaki Ammal College and Ralapalayam and The Standard Fireworks College for Women, Sivakasi	27-29 October 2022
International Conference on New Frontiers of Engineering, Management, Social Science and Education	LOCF Success Strategies	International	Osmania University Centre for International Program, Hyderabad	29 October 2022
International Conference on New Frontiers of Engineering, Management,	Graduate Attributes Towards Holistic Development	International	Osmania University Centre for International Program, Hyderabad	29 October 2022

Social Science and Education				
International Conference on Analysis and Number Theory-2022	Mastitis Disease Diagnosis in Dairy Cattle using Artificial Neural Networks	International	Ayya Nadar Janaki Ammal College, Sivakasi, Ramco Institute of Technology, Rajapalayam and The Standard Fireworks College for Women, Sivakasi	27.10.2022 to 29.10.2022
International Conference on Analysis and Number Theory-2022	Random Forest Algorithm in Ranking Production Materials	International	Ayya Nadar Janaki Ammal College, Sivakasi, Ramco Institute of Technology, Rajapalayam and The Standard Fireworks College for Women, Sivakasi	27.10.2022 to 29.10.2022
International Conference on Analysis and Number Theory-2022	Machine Learning Algorithms in Optimizing Production Inventory Models	International	Ayya Nadar Janaki Ammal College, Sivakasi, Ramco Institute of Technology, Rajapalayam and The Standard Fireworks College for Women, Sivakasi	27.10.2022 to 29.10.2022
International Conference on Analysis and Number Theory-2022	Electrical Material Selection with Plithogenic Decision making Parameters and Machine Learning Algorithms	International	Ayya Nadar Janaki Ammal College, Sivakasi, Ramco Institute of Technology, Rajapalayam and The Standard Fireworks College for Women, Sivakasi	27.10.2022 to 29.10.2022

International conferences on RECW-23	Multidisciplinary programmes a means of creating carbon neutral communities	International	Centre for Sustainable Development VIPS-TC, New Delhi & FPT University, Vietnam	25.01.2023
International conference on New Avenues in Applied Sciences	Fuzzy c-means Clustering with Fuzzy Cognitive Maps in Diagnosis of Foot and Mouth Cattle Disease	International	Lady Doak College, Madurai	02.02.2023 & 03.02.2023
International conference on New Avenues in Applied Sciences	Fuzzy AHP-SPOTIS MCDM in Supplier Selection of Cattle Feed	International	Lady Doak College, Madurai	02.02.2023 & 03.02.2023
National Conference on Scientific Input Technological Advancement and Women Empowerment for Sustainable Development	Fuzzy Decision Making on Optimal Supplier Selection of Cattle Feed-A case Study	National	Kongunadu Arts and Science College, Coimbatore	02.02.2023 & 03.02.2023

RESOURCE PERSON

WHETHER SPEAKER/ MODERATOR/ PANELISTS	TITLE OF THE PRESENTATION	TITLE OF THE SEMINAR/ CONFERENCE/ WORKSHOP	ORGANIZING INSTITUTION AND PLACE	DATE
Speaker	Analysis of time series: linear systems analysis, nonlinear dynamics,	Anna University approved FDTP – IT- 6006: Data Analytics	PSNA CET, Dindigul	20.06.2017
Speaker	Math and Universe	Guest Lecture	PKN Arts & Science College, Madurai	30.8.2019

Speaker	Framework of Outcome based Question Paper	PMMMNMTT sponsored Outcome Based Question Paper in the Workshop on Construction of Questions	Manonamian Sundaranar University	24.10.2019
Speaker	Christ and Gandhi	International Congress on Gandhian Thought	Fatima College, Madurai	22.11.2019
Speaker	Framework of Outcome based Education	Workshop	GTN Arts College (Autonomous), Dindigul	1.11.2019
Speaker	Framework of Outcome based Education	Workshop on Outcome based Education	Scott Christian College (Autonomous), Nagercoil	29.11.2019
Chair Person	-	ICSSR Sponsored National Conference on Business Opportunities Issues and Challenges in BRICS Countries	GTN Arts College (Autonomous), Dindigul	12.12.2020
Speaker	Rights of Women	NHRC Sponsored Training Programme on Rights of Women	GTN Arts College (Autonomous), Dindigul	19.12.2019
Speaker	Learning Outcome Curriculum Framework	Workshop	Pope's College (Autonomous), Sawyerpuram	14.3.2020
Speaker	Mind Mapping	NAAC sponsored National Level Seminar on Pedagogical Tools in Higher Education Hands on Training for Model Development	M.V.Muthiah Government Arts College for Women, Dindigul	31.01.2020
Speaker	Workshop On Outcome Based Education	Guest Lecture	Lady Doak College, Madurai	10.02.2020

Speaker	Introduction to Plithogenic sets	Online Faculty Development Programme on Innovative Approaches in Mathematics	Sree Saraswathi Thyagaraja College (Autonomous), Pollachi	1.5.2020
Speaker	Decision Making	Webinar on Expert Lecture on Mathematics and Decision Making for Engineering Department	KJ Institute of Engineering & Technology, Saveli, Gujarat	11.6.2020
Speaker	Appraisal of learning Outcomes in OBE	Webinar on Appraisal of learning Outcomes in OBE	GTN Arts College (Autonomous), Dindigul	12.6.2020
Speaker	Appraisal of learning Outcomes in OBE	Webinar on Appraisal of learning Outcomes in OBE	Pollachi Mahalingam College	22.6.2020
Speaker	Appraisal of learning Outcomes in OBE	Online Faculty Development Programme on Teaching, Learning & Evaluation	Seethalakshmi Achi College for Women	05.08.2020-06.08.2020
Speaker	● Interactive Online Teaching ● Online Assessment of Students ● Evaluation & Enrichment for Autonomy & Accreditation	Three day Online Faculty Development Programme on Teaching, Learning and Evaluation in Science and Engineering	Bangalore Institute of Technology	17.08.2020-19.08.2020
Speaker	SPSS for Data Analysis	Online workshop on One Week STTP on Statistical Analysis in SPSS Software	REST Society for Research International	01.06.2020-06.06.2020
Speaker	Multi-Criteria Decision- Making Methods	Online One Week STTP workshop on Multi-Criteria Decision Making	REST Society for Research International	15.06.2020-20.06.2020

Speaker	R Software for Data Analysis	Online One Week STTP workshop on R Software	REST Society for Research International	20.07.2020-25.07.2020
Speaker	Python for Data Analysis	Online One Week STTP workshop on Python	REST Society for Research International	27.07.2020-01.08.2020
Speaker	Data Collection	Online One Week STTP workshop on Research Methodology	REST Society for Research International	03.08.2020-08.08.2020
Speaker	Structural Equation Modeling	Online One Week STTP workshop on Structural Equation Modeling	REST Society for Research International	24.08.2020-29.08.2020
Speaker	Foundational Values	Webinar on Foundational Values in Human Development	Arul Anandar College (Autonomous), Karumathur	11.12. 2020
Speaker	Math in Decision Making	Guest Lecture	Sri GVG Visalakshi College for Women, Udumalapet	12.12.2020
Speaker	Learning Outcomes Based Approach to Curriculum Planning	One Day Orientation Programme	Government Arts College (Autonomous)	08.04.2021
Member	Board of Studies		NGM College (Autonomous), Pollachi	13.05.2021
Speaker	Life Skills	Online One week workshop on Life Skills management	REST Society for Research International	07.06.2021-12.06.2021
Speaker	Data Analytics Using R	Five Day Online Technical workshop on Data Analytics Using R	GTN Arts College in Collaboration with Arul Anandar College	05.07.2021-09.07.2021

Speaker	Transdisciplinary Research Approaches	Live Webinar Series	GTN Arts College, Dindigul	18.7.2021-21.07.2021
External		External Academic Audit	GTN Arts College, Dindigul	24.08.2021
Speaker	OBE Based Question Paper	Orientation Programme	GTN Arts College, Dindigul	26.08.2021
Member	Board of Studies		Holy Cross College, Tiruchirappalli	19.11.2021
Member	Board of Studies		Holy Cross College, Tiruchirappalli	10.05.2022
Speaker	STTP on Basic Business Analytics	REST Society for Research International, Krishnagiri	Online Mode	04.10.2021-09.10.2021
Speaker	Cognitive Modeling of Covid Diagnosis	Webinar on Pre and Post Pandemic Socio Cultural and Educational Realms: Trends Strategies and Paradigm Shifts at Gurudev Arts and Science College, Kerala	Online Mode	25.10.2021
Speaker	Equality in Christianity	National Integration Day, National Service Scheme,	Arul Anandar College (Autonomous), Karumathur	19.11.2021
Speaker	Math in Decision Making	Online Installation Ceremony of I-math	PSNA College Engineering and	29.01.2022

		club	Technology, Dindigul	
Speaker	Motivational Talk	Career Guidance Programme	Periyanayagi Rengaswamy Matric Higher Secondary School, Nilakottai	23.03.2022
Judge	District level Intercollegiate Science Exhibition		G.T.N Arts College, Dindigul	25.03.2022
Speaker	Math in Machine Learning	Guest Lecture	V.H.N.S.N College, Virudhunagar	13.04.2022
Chair Person		Online International Conference on Present Trends in Applications of Mathematics	Holy Cross College, Tiruchirappalli.	19.04.2022- 20.04.2022
Speaker	Fuzzy Machine Learning	Guest Lecture	VIT, University	23.04.2022
Speaker	Fuzzy Decision Making Methods	Guest Lecture	Bharath College of Science and Management	02.05.2022
Speaker	Assessment Strategy for Outcome Based Education	Workshop on Assessment Strategy for Learning Outcome Based Education	Sri Meenakshi Govt Arts College for Women, Madurai	27.05.2022
Speaker	Outcome based Education	Faculty Development Programme PO & CO Mapping & Attainment	Internal Quality Assurance Cell (IQAC), V.O.C Chidambaram College, Thoothukudi	08.07.2022

Speaker	Outcome based Education	Workshop on Framework of Outcome Based on Revised Bloom's Taxonomy	Manonmaniam Sundaranar University, Tirunelveli	30.08.2022
Speaker	Dominance of Mathematics in Artificial Intelligence	JACMAT Fest – 2022	Jayaraj Annapackiam College for Women, Periyakulam	19.10.2022
External Member	External Audit	GTN Arts College (Autonomous), Dindigul	GTN Arts College	16.11.2022
Speaker	Machine Learning Applications	National Level Seminar on Recent Trends in Applied Mathematics	St.Antony's College of Arts and Sciences for Women, Dindigul	1.11.2022
Speaker	Assessment Based on Revised Bloom's Taxonomy	Faculty Development Programme	Annai Hajira Women's College, Tirunelveli	15.12.2022
Speaker	Applications of Fuzzy Sets in Decision Making	New Trends in Mathematical Applications in National Webinar on Mathematical Applications	Mother Teresa Women's University, Kodaikanal	22.12.2022
Speaker	Overview of Learning Outcome based Curriculum Framework	State level workshop	Holy Cross College, Nagercoil	15.02.2023

SEMINARS/CONFERENCES/WORKSHOPS ORGANIZED

S.NO.	NAME OF THE SEMINAR/CONFERENCE/WORKSHOP	ORGANISING CAPACITY	SPONSOR	PERIOD/DATE
1	Five Day Online Technical workshop on Data Analytics Using R	Organizer	-	05.07.2021-09.07.2021

SEMINARS/CONFERENCES/WORKSHOPS ATTENDED

TITLE OF THE SEMINAR/CONFERENCE/WORKSHOP	LEVEL	ORGANISING INSTITUTION	DATE
Mathematical Transforms Explore and Innovate	National	VIT University, Chennai	September 16 th & 17 th 2011
State level workshop on Matlab	State	Cauvery College for Women, Trichy	14 th April 2012
International Workshop on Preparation of Technical Articles & Research Proposals	International	International Workshop on Preparation of Technical Articles & Research Proposals	4 th January 2016.
One day workshop on Engineering Mathematics through open source software SAGE and R	National	VIT University, Chennai	March 19 th 2016
R Software for Statistical Computing in Research	National	Thiagarajar College of Engineering, Madurai.	November 11 th , 2016
One Day Workshop on Research paper Writing sponsored by TEQIP	National	Thiagarajar College of Engineering, Madurai.	December 23 rd , 2016
One day workshop on LaTeX Effective Thesis and Research Paper Writing using LaTeX,	National	Kongunadu Arts and Science College, Coimbatore	March 2 nd , 2017
Relevance of mathematics in Scientific Computing and Engineering Discipline	National	B.S.Abdur Rahman Crescent University, Chennai	May 12-13, 2017.
TEQIP II sponsored A Two Day national Seminar on Discrete Mathematics and its Applications to Engineers	National	Thiagarajar College of Engineering, Madurai.	Feb 9-10, 2017
TEQIP II sponsored A Two Day national Seminar on 'Applications of Fuzzy Mathematics in Engineering Studies	National	Thiagarajar College of Engineering, Madurai	March 9-10, 2017

International Seminar on Innovative techniques for teaching and learning for Professionals – US perspective	International	Mangalam College of Engineering in association with University of Texas, Dallas, USA, Ettamanur, Kerala	June 3 rd , 2017
Workshop on Institutional Score Card for Gender Mainstreaming organized by ACPR and collaboration with Commonwealth of Learning, Canada at AAC,		Arul Anandar College, Karumathur	22.06.2017 & 23.06.2017
International Seminar on Applied Mathematics at	International	Fatima College, Madurai	21.08.2017
STTPE on Graph Theory and its Applications		SRM University, Chennai	3.11.2017 & 4.11.2017
TEQIP III Sponsored ACM Faculty Development Programme on Research based Statistical, Analytical and Data modeling Tools		Thiagarajar College of Engineering	26.04.2018 - 28.04.2018

Nurturing Academic Integrity: Consistency & Transparency in Academia	National Seminar	Fatima College, Madurai	17.09.2018
Revised NAAC Accreditation Framework perceptions	National Faculty Development Programme	GTN Arts College, Dindigul	12.5.2021 – 17.05.2021
Patent Drafting Skills for Researchers and Academicians	National Webinar	GTN Arts College, Dindigul	31.05.2021
Application of Mathematics Programming in Science and Technology	National Faculty Development	Karunya Institute of Technology and Sciences	01.06.2021- 11.06.2021

	Program me		
Intellectual Property Rights	Two Day national level online Technical workshop	GTN Arts College, Dindigul	21.06.2021-22.06.2021
Graph Matching Approach towards Women Cancer	Webinar	TBML college, Poraiyur	23.6.2021
National Online Workshop “Blended Learning with LMS-MOODLE (BASIC)”	National	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	11.09.2021-12.09.2021
Webinar on NEP 2020: curriculum Designing in Higher Education at UGC, Human Resource Development Centre	Webinar	Pondicherry University	20.01.2022
Refresher course	Refresher course in Managing Online Classes & Co- creating MOOCS 7.0	Teaching Learning Centre, Ramanujan College, University of Delhi	05.08.2021-19.08.2021
Refresher course	Refresher course in Advanced Research Methodology	Teaching Learning Centre, Ramanujan College, University of Delhi	20.08.2021-03.09.2021

Refresher course	Refresher course in Mathematics	Teaching Learning Centre, Ramanujan College, University of Delhi	31.08.2021-14.09.2021
Refresher course	Refresher course in Applicable Mathematics	Teaching Learning Centre, Ramanujan College, University of Delhi	15.12.2021-29.12.2021
FDP	One week Faculty Development Programme on Data Analytics & Mathematical Software Tools	Teaching Learning Centre, Ramanujan College, University of Delhi	25.02.2021-03.03.2021
Training Programme	In service Training Programme	Sri Meenakshi Govt Arts College for Women, Madurai	05.05.2022-06.05.2022
Refresher course	Refresher course in Mathematical Sciences	Teaching Learning Centre, Ramanujan College, University of Delhi	26.09.2022 to 10.10.2022
NEP 2020 Workshop on Academic Bank of Credits	Webinar	University Grants Commission, Human Resource Development Centre, Sagar	13.06.2022
Workshop on Internationalization of Higher Education in India	Webinar	University Grants Commission, Human Resource Development Centre, Sagar	14.06.2022
NEP 2020 Workshop on Educational Framework for Global Citizenship in Higher Education	Webinar	University Grants Commission, Human Resource Development Centre, Sagar	15.06.2022
NEP 2020 Workshop on Good Academic Research Practices	Webinar	University Grants Commission, Human Resource Development Centre, Sagar	17.06.2022
Webinar on Educational Framework for Global Citizenship	Webinar	Bharathidasan University, Tirichy	27.06.2022

Webinar on Internationalization of Higher Education	Webinar	Bharathidasan University, Tirichy	28.06.2022
Webinar on National Skills Qualification Framework at University Grant commission,	Webinar	Bharathidasan University, Tirichy	30.06.2022

VISITS ABROAD:

COUNTRIES VISITED	PURPOSE	DATES OF VISIT	AOI
Malaysia	Presented a paper entitled, 'Analysis of the risk factor of Ebola Virus using Fuzzy VIKOR with Possibility theory' at Kuala Lumpur in the International conference organized by IRES	May 1-2, 2019	UGC TRAVEL GRANT SUPPORT and received BEST PAPER PRESENTATION AWARD.
Sri Lanka	Delivered a Invited Talk on 'An Overview of Plithogenic Sets in Multi Criteria Decision Making' in the International conference organized by International Multidisciplinary Research Foundation (IMRF) in association with Horizon University , Malabe,Colombo.	April 20 - 21, 2023	Ino-Srilanka Researcher Award

E CONTENT CREATED

TITLE OF THE CONTENT	TYPE OF CONTENT	LINK
R Programming	Video	https://youtu.be/ABHSPQM0lbc https://youtu.be/deTvthmTb08 https://youtu.be/oam30rn3vcc https://youtu.be/P3jys0ZUi4c
Methods of Data Collection	Video	https://youtu.be/N6RBdEhhnOQ https://youtu.be/CypRVtoMs0c https://youtu.be/lw961zUw0sE
Data Analysis in Excel	Video	https://youtu.be/-Eea-i4j8rg https://youtu.be/prtu1F7Xcck
Data Analysis in SPSS	Video	https://youtu.be/fdoiFHk8PRg https://youtu.be/oeNpzElxdhk
Data Analysis in Python	Video	https://youtu.be/-TpmlhVN8Eo https://youtu.be/z_21mmNxF2k https://youtu.be/FZZz7gNHzeA
Structural Equation Modeling	Video	https://youtu.be/qpYUZTD9pfl https://youtu.be/dctnaEwtSxY https://youtu.be/n1HIW_dFqNs
Design of Experiment	Video	https://youtu.be/Wi9IdF8KhEI https://youtu.be/w1JRfEB1czA
Fuzzy MCDM Methods	Video	https://youtu.be/VII9A6eTjnU https://youtu.be/YRwEQsbOYgY
Constructive Learning & Social Constructive Learning	Video	https://youtu.be/baSNA1uOBV8 https://youtu.be/mEL-L_a3O6w https://youtu.be/dqN7cVzWa50
Non-Parametric Test	Video	https://youtu.be/7QpcvhsFI4Y https://youtu.be/DrhvM5-NCMg
Linear Programming	Video	https://drive.google.com/file/d/1vBcNNQVmYbie-13BxTgN9NPuIjof2KyX/view?usp=sharing
Network	Video	https://youtu.be/6zl8WeymGqU https://youtu.be/mGh2IB9-O7M
Life Skills	Video	https://youtu.be/IlbY-wzrqN8 https://youtu.be/qDWIg_nU_SA https://youtu.be/iPt-q_URA4I

PATENTS OBTAINED/APPLIED

TITLE	STATUS	PATENT
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	(RECEIVED/APPLIED)	NUMBER
A system for Pit Hole Detection and filling for road based on Artificial Intelligence	Received	2020101939
IAIP-Interactive Business Data : Interactive Intelligent Business Data Visualization using AI based Programming	Received	43/2020
A machine learning regression vector for managing various aspects in the field of Agriculture	Received	202141018080

ACADEMIC POSITIONS HELD

POST	INSTITUTION	PERIOD
Member of Board of Studies in Mathematics (UG)	GTN Arts College (Autonomous) Dindigul	2019 onwards
Member of Board of Studies in Mathematics (UG)	Holy Cross College (Autonomous), Trichy	2020 onwards
Member of Board of Studies in Mathematics (UG)	Dr.NGP Arts and Science College(Autonomous), Pollachi	2021

ACHIEVEMENTS & AWARDS

David Adiceanadan Gold medal in B.Sc.,B.Ed by Pondicherry University, 2009

Gold medal in M.Sc awarded by Holy Cross College, 2011

Bharathidasan University II Rank, 2011

Best paper presentation prize in the competitions held in Gandhigram University, Bishop Heber College, Holy Cross College.

Permanent member and Speaker of RSRI- REST Society for Research International (RSRI) is an interdisciplinary professional society is created by a group of researchers in the various areas of specializations across the world.

Received BEST ARTICLE AWARD

Received BEST PAPER AWARD from AMET (Deemed to be University), Chennai

Received Best Paper Award in the International conference conducted by Centre for Sustainable Development VIPS-TC, New Delhi & FPT University, Vietnam

Received Best Paper Award in the International Conference conducted by Kongunadu Arts and Science College, Coimbatore.

Received Best Women Researcher Award in the International Conference on Computational Science & Intelligence on 04-05 August 2023 Organized by REST Labs & REST Society for Research International, Kaveripattinam, Krishnagiri, Tamil Nadu