




PROFILE

Name: Dr. NIVETHA MARTIN			
Department	Mathematics		
Designation	Assistant Professor		
Email	nivetha.martin710@gmail.com		
Teaching Experience	UG:6	PG:1	

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

WORK EXPERIENCE

S.NO	NAME OF THE INSTITUTION/ORGANISATION	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	PAGE NO.	ISSN NUMBER	YEAR
Managerial decision making using best worst method with multi-valued neutrosophic approach	Advances in Mathematics: Scientific Journal	9	4	1761–1771	1857-8365	2020
Eco-conscious customer centric inventory model with fractional order approach	Advances in Mathematics: Scientific Journal	9	4	1773–1786	ISSN: 1857-8365	2020
Non-linear hebbian learning algorithm for intuitionistic fuzzy cognitive maps in predictive model	Advances in Mathematics: Scientific Journal	9	4	2075–2081	ISSN: 1857-8365	2020
Introduction to Combined Plithogenic Hypersoft Sets	Neutrosophic Sets and Systems	35		503-510	23316055	2020
Multi-goal accomplishing strategy selection to lead Farming Sector towards Progressive Phase amidst COVID – 19 using Linguistic Neutrosophic Soft set	Journal of Information and Computational Science	10	7	269-276	ISSN: 1548-7741	2020
Exploration of the Factors Causing Autoimmune Diseases using Fuzzy Cognitive Maps with Concentric Neutrosophic	Neutrosophic Sets and Systems	35		232-238	23316055	2020

Hypergraphic Approach						
Concentric Plithogenic Hypergraph based on Plithogenic Hypersoft sets – A Novel Outlook	Neutrosophic Sets and Systems	33		78-91	23316055	2020
Concurrent production and rework inventory management of electrical components	Advances in Mathematics: Scientific Journal	9	5	3175–3180	ISSN: 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	3067–3073	ISSN: 1857-8365	2020
Inventory model to combat e-waste management costs	Advances in Mathematics: Scientific Journal	9	5	3059–3065	ISSN: 1857-8365	2020
Factors contributing towards constructivist learning environment - analysis using FCM with interval valued LNCH approach	Advances in Mathematics: Scientific Journal	9	5	3049–3058	ISSN: 1857-8365	2020
Plithogenic n- Super Hypergraph in Novel Multi -Attribute Decision Making	International Journal of Neutrosophic Science (IJNS)	7	1	08-30	ISSN: 2690-6805	2020
ANN & SEM Environment to study Indus- Inst Partnership and E-Professional Enrichment amidst Pandemic Outbreak	Mukt Shabd Journal	9	5	2344-2351	ISSN NO 2347-3150	2020

Is Female Infanticide Reviving in 2020?– Analytical study with Fuzzy Perspective	Studies in Indian Place Names	40	76	853-859	ISSN: 2394-3114	2020
Fuzzy Relational Investigation of Political Participation of Women	Studies in Indian Place Names	40	76	860-866	ISSN: 2394-3114	2020
Plithogenic Cognitive Maps in Decision Making	International Journal of Neutrosophic Science (IJNS)	9	1	9-21	ISSN: 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	843-852	ISSN: 2394-3114	2020
Risk Factors of Lifestyle Diseases – Analysis by Decagonal Linguistic Neutrosophic Fuzzy Cognitive Map	Materials Today: Proceedings	24		1939–1943	ISSN: 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		ISSN:0971-1260	2020
Environmental Values and Skills through Green Education for Green Society	Think India journal	22	10		ISSN:0971-1260	2020

Prioritizing the Obstacles Inbuilding Swipe and Touch Class Room Environment using Blended Method	Journal of Interdisciplinary Cycle Research	9	10	383-392	ISSN: 0022-1945	2019
Evolution of Concentric Fuzzy Hypergraph for Inclusive Decision Making	International journal of Engineering and advances Technology	9	6S3	1986-1990	ISSN: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	37-40	ISSN: 2394-7926	2019
Higher Educational Institutions –the Generators of Various Genres of Entrepreneurs: A Fuzzy Cognitive Investigation	Infokara Research	8	11	1441 - 1449	ISSN: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	313-320	ISSN: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	255-259	2325-0399	2019
Multi-Objective Multi Time Span Fractional Capacitated Transportation Problem in the Two	International journal of Recent Technology and	8	2S3	462-468	ISSN:2277-3878	2019

Echelon Supply Chain with Multiform Items and Mixed Constraints in the	Engineering						
L3 through ICT CFT version 3: Emphasize on Teacher Professional Learning in the Commonwealth of Learning	Conference Proceedings Commonwealth of Learning, Learning for sustainable Development						2019
Student's Low Academic Performance Appraisal Model with Hypergraphic Approach in Fuzzy Cognitive Maps	Journal of Information and Computational Science	9	8	661-671	ISSN:1548-7741	2019	
Application of New Additive Ratio Assessment (NARAS) Method in Selection of Material for Optimal Design of Engineering Components	Materials Today: Proceedings,	11		1-6	ISSN: 2214-7853	2019	
Contemporary Challenges of Digital Marketing: Ranking Analysis by Fuzzy Cognitive Maps	International journal of basic and applied research	9	6	268-272	ISSN 2249-3352	2019	
E-Commerce Inventory Model with Disruptive Technology	Journal of Applied Science and Computation	6	4	1167-1171	ISSN NO: 1076-5131	2019	
Ranking the Benefits of Online Learning in Student's Perspective Using Linguistic Fuzzy	Journal of Applied Science and Computation	6	4	158-164	ISSN NO: 1076-5131	2019	

Cognitive Maps						
Resolving manpower allocation Problem using LDIFS and NEDM	Journal of Applied Science and Computation	6	4	1145-1149	ISSN NO: 1076-5131	2019
Exploration of the Impacts of Blended Learning In Higher Education Using CBDLHFCM	International Journal of Recent Technology and Engineering	7	6	962-966	ISSN: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	277-280	ISSN:2278 3075	2019
Octa-Hexa fuzzy PROMTHEE for ranking the feasible industrial waste management methods	Pramana Research Journal	9	6	64-72	ISSN: 2249 2976	2019
A Study on Industrial Problems using Garette Techniques	BULMIN Journal of Management and Research	4	1	1-5	ISSN: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	169-172	ISSN: 2227-524X	2018
Analysis of the contributing factors of the low productivity of small scale industries in India using OLFM	International Journal of Pure and Applied Mathematics	119	18	2945-2958	ISSN: 1314-3395	2018

Analysis of the need of green economics using fuzzy cognitive maps with hexagonal weights	AIP Conference Proceedings	1952	1	020110	ISSN: 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	153-159	ISSN: 0973-1768	2018
Ranking the problems of CRM using LMDA	International Journal of Pure and Applied Mathematics	118	10	167-175	ISSN: 1314-3395	2018
Application of IFSMT in the Decision Making Process of Waste Management Techniques for the Industrial Sectors	laetsd journal for Advanced Research in Applied Sciences	5	3	24-28	ISSN:2394-8442	2018
Optimization of Inventory Model with the Incorporation of the Associated Costs of Product Innovation	laetsd journal for Advanced Research in Applied Sciences	5	3	28-32	ISSN: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	72-75	ISSN: 0971765X	2018
Ranking the Problems of Women Entrepreneurs in India Using VIKOr Method with LONSM	International Journal of Mathematics Trends and Technology	Special Issue		68-72	ISSN: 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	2945-2958	ISSN: 1314-3395	2018
Causative Factors of Gestational Diabetics in Women – An analysis on the consequential impacts using LASFCM	Mapana Journal of Sciences	17	3	43-50	ISSN 0975-3303	2018
(α, β) – cut of intuitionistic anti I-fuzzy m-subgroups	International Journal of Mathematical Archive-	9	5	45-50	ISSN 2229 – 5046	2018
Optimization of unbalanced trapezoidal fuzzy assignment problem	International Journal of Mathematical Archive-	9	5	78-81	ISSN 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	99-101	ISSN 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		ISSN NO: 1076-5131	2018
Urbanization a Cause of Health Disaster: Ranking Analysis by Decagonal FCM	International journal of Management Technology and Engineering	8	9	1712-1718	ISSN: 2249-7455	2018

Ranking of the Factors Influencing Consumer Behaviour Using Fuzzy Cognitive Maps	Asia Matematika	2	3	14-18	ISSN: 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	23-28	ISSN 0975-6477	2017
An Analysis of Traditional Catastrophe in Tamil Nadu Using NEDIFVAM	Middle East Journal of Scientific Research	25	2	358-361	ISSN : 1990-9233	2017
Exploration of Factors Stimulating the Adsorption of Biochemical Elements in the Behavioural System of Chilhood using Nonagonal Weights	International Journal of ChemTech Research	10	14	181-189	ISSN: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	97-100	ISSN: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	10-19	ISSN: 1314-3395	2017
A Comparative Analysis of Crisp and Fuzzy Eco-Conscious	International Journal of Pure and	117	20	119-130	ISSN: 1314-3395	2017

Inventory models	Applied Mathematics					
Challenges of Rural Marketing in India using Hexagonal Neutrosophic Associative Fuzzy Cognitive Maps	International Journal of Pure and Applied Mathematics	117	12	327-334	ISSN: 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	10-19	ISSN: 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	440-446	ISSN: 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	63-67	ISSN: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		43-46	ISSN: 245 5 – 5428	2017
An analysis on the consequential impacts	International Journal of	5	3	97-100	ISSN: 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	272-280	ISSN 1819-4966	2017
An Analysis of the Associated Implications of Green Manufacturing Using Fuzzy Cognitive Maps	Materials Today Procedia	4	2	4219-4227	ISSN 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	2373-2378	ISSN : 0973-1768	2017
Outlook of employee predominant professional standards in Nanotopological perspective	Global Journal of Pure and Applied Mathematics	13	1	5-7	ISSN : 0973-1768	2017
An Analysis of Traditional Catastrophe in Tamil Nadu Using NEDIFVAM	Middle East Journal of Scientific Research	25	2	358-361	ISSN : 1990-9233	2017
An Inventory Model with the inclusion of Eco-Conscious Production Cost parameters	International Journal of Innovative Research in Science,	5	12	20321-20324	ISSN 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	1067 - 1069	ISSN: 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	56-60	ISSN: 2320-0294	2016
Optimization of an economic green manufacturing inventory model using fuzzy geometric programming	International Journal of Advanced Research	4	7	211-216	ISSN: 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	1341-1345	ISSN : 1990-9233	2016
A Study on Anti Fuzzy Subgroups as Products	Quest International of Multidisciplinary Research Journal	5	5	19-22	ISSN : 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	1037-1040	ISSN:2454-1311	2016

Leather Industry using Fuzzy Cognitive Maps						
Reasons for Adolescent's Social Network addiction and its impact on Academics -An Analysis using Induced Linked Fuzzy Relational Mapping Using Hexagonal Fuzzy number	Elixir, Applied Mathematics	97	1	41914-41917	ISSN 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	41918 - 41925	ISSN 2229-712X	2016
Determination of a global action plan to mitigate the fear of mathematics among the Engineering students using Multi-Step FCM Approach	International Journal of Applied Engineering Research	10	85	1218-1223	ISSN: 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	430-438	ISSN: 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	423-429	ISSN: 0973-4562	2015
Causes of Math Anxiety in Engineering	Global Journal of Pure and	11	5	2705-2718	ISSN : 0973-1768	2015

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	3921-3926	ISSN 2278 5183	2014
Environmental oriented inventory model and benefits of Incineration as waste disposal method	Ariyabhatta Journalof Mathematics	5	1	159-164	ISSN: 0975-7139	2014
Inventory model for small scale retailers with local Advertisements	International Journal of Engineering Sciences	2	2	28-33	ISSN: 2277-9655	2013
Replenishment policy for EMQ model with Rework, Multiple Shipments, Switching and Packaging	International Journal of Engineering Research & Technology	2	1		ISSN, 2278-0181	2013
EOQ Model with Package Cost	Elixir Pollution	46.		8490-8493	ISSN 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	VOL. NO	PUBLISHER AND PLACE	YEAR OF PUBLISHING AND EDITION
A Study on Fuzzy Relational Maps.	Book	Author	978-620-2-06856-7		Lambert	2017
Green Economics- The need of the Hour	Book	Author	978-620-0-07788-2		Lambert	2019

Evolution Concentric Hypergraph	of Fuzzy	Book	Author	978- 613-3- 99108- 8			
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REVIEWER DETAILS

NAME OF THE JOURNALS	DATE
Asian Journal of Probability & Statistics	2020
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/ DATES
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	2	-

PAPERS PRESENTED IN SEMINARS/CONFERENCES/WORKSHOP

TITLE OF THE PAPER	TITLE OF THE SEMINAR/ CONFERENCE/ WORKSHOP	LEVEL OF SEMINAR/ CONFERENCE/W ORKSHOP	ORGANIZING INSTITUTION	DATE
“ 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 Customer'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-Trnsportation 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 probems 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.

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	PMMMNTT sponsored Outcome Based Question Paper in the Workshop on Construction of Questions	Manonamiam 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	Guest Lecture	Lady Doak College,	10.02.2020

	Education		Madurai	
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	
Speaker	Appraisal of learning Outcomes in OBE	Online Faculty Development Programme on Teaching, Learning & Evaluation	Seethalakshmi Achi College for Women	05-06 August
Speaker	<ul style="list-style-type: none"> • 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	17-19 August 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 June 2020
Speaker	Multi-Criteria Decision-Making Methods	Online One Week STTP workshop on Multi-Criteria Decision Making	REST Society for Research International	15-20 June 2020

Speaker	R Software for Data Analysis	Online One Week STTP workshop on R Software	REST Society for Research International	20 July -25 July 2020
Speaker	Python for Data Analysis	Online One Week STTP workshop on Python	REST Society for Research International	27 July-01 August ,2020
Speaker	Data Collection	Online One Week STTP workshop on Research Methodology	REST Society for Research International	03-08 August,2020
Speaker	Structural Equation Modeling	Online One Week STTP workshop on Structural Equation Modeling	REST Society for Research International	24-29 August,2020

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 TEQUIP	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
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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.

E CONTENT CREATED

TITLE OF THE CONTENT	TYPE OF CONTENT	LINK
R Programming	Video	https://youtu.be/ABHSPQM0Ibc https://youtu.be/deTvthmTb08 https://youtu.be/oam30rn3vcc https://youtu.be/P3jys0ZUi4c
Methods of Data Collection	Video	https://youtu.be/N6RBdEhnnOQ 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_dFgNs
Design of Experiment	Video	https://youtu.be/Wi9ldF8KhEI 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-13BxTgN9NPuljof2KyX/view?usp=sharing
Network	Video	https://youtu.be/6zl8WeymGqU https://youtu.be/mGh2IB9-O7M

PATENTS OBTAINED/APPLIED

TITLE	STATUS (RECEIVED/APPLIED)	PATENT NUMBER
A system for Pit Hole Detection and filling for road based on Artificial Intelligence	Received	2020101939

ACADEMIC POSITIONS HELD

POST	INSTITUTION	PERIOD
Member of Board of Studies in Mathematics (UG)	GTN Arts College (Autonomous) Dindigul	2019 onwards

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.