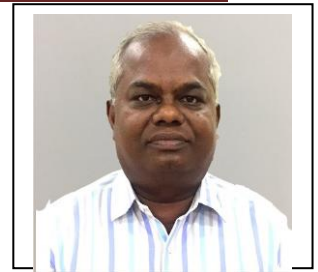# National Institute of Technology, Tiruchirappalli

Curriculum Vitae

Brief Profile: 1-2 paragraphs (not exceeding 500 words)

After completing my B.Tech at MIT, Chennai in Production Technology and M. Tech from IIT, Kharagpur in Industrial Engineering and Operations Research, I joined Department of Management Studies, NIT Tiruchirappalli (then REC), in 1987 as a Research Associate. I am currently working as a Professor (HAG) at Department of Management Studies-NITT. I completed my Ph.D. from the Bharathidasan University, Tiruchirappalli. My academic and professional pursuits have over these years cut across several disciplines. My academic areas of interest include Machine Learning, Deep Learning, Applied Statistics & Data Analytics, Operations Management, Project Management and Costing, Logistics and Supply Chain Management, and Operations Research & Decision Sciences. I have also taught courses in these areas as visiting professor to several leading management institutes in India including the Department of Management Studies IIT-M. I have conducted executive training programs. I have authored over **100 papers/articles** that have been published / presented at national and international journals and conferences. I have **published a patent** (Application No: 201741002082) on the title of *"A Logic to decipher the dynamic architecture from music and vice-versa"*. I have been awarded "**Best Performer Award**" in the professor category consecutively for two years 2021 and 2022 by National Institute of Technology –Tiruchirappalli and also received "**Best Paper Award"** for the paper titled "*Strategic Decision Model for Technology Selection*" by the **ASME** (**American Society of Mechanical Engineers**) during May 2003.I have authored five books out of which two are in Emerald Group Publishing namely "**Developing an Effective Model for Detecting Trade-Based Market Manipulation**" and "**Resource Allocation Problems in Supply Chains**" published in the year 2021 and 2015 respectively, and a book "**Service Quality in Indian Hospitals – perspectives from an emerging Market**" by Springer Publications (ISBN 978-3-319-67888-7).

1. Name: Dr. M Punniyamoorthy

2. Designation: Professor (HAG)

3. Office Address: Appellate Authority, Office of the deans, National Institute of Technology, Tiruchirappalli.

4. Telephone (Direct) (Optional): 0431-2503032   Mobile (Optional): 9443866660

5. Email (Primary): punniya@nitt.edu   E-mail (Secondary): mpuniya@yahoo.com

6. Field(s) of Specialization: Industrial Engineering, Data Analytics and Machine Learning

7.   Employment Profile

Job Title	Employer	From	To
Professor and Professor (HAG)	NIT, Trichy	02.04.2007	Till date
Assistant Professor	NIT, Trichy	06.11.1995	01.04.2007
Lecturer	NIT, Trichy	22.07.1988	05.11.1995
Senior Research Assistant	NIT, Trichy	01.03.1988	21.07.1988
Research Assistant	NIT, Trichy	02.04.1987	02.29.1988

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects/Title
PhD	Bharathidasan University	2004		Justification of Advanced Manufacturing
MTech	Indian Institute of Technology Kharagpur	1986	8.42	Industrial Engineering and Operations Research
BTech	Madras Institute of Technology, Anna University Chennai	1985	65.34	Production Technology
ICWAI – Inter	The Institute of Cost and Works Accountant of India, Calcutta	1988		
B.Sc.	Madras University	1982	71.07	Mathematics

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Director In charge	National Institute of Technology, Tiruchirappalli	Dec 8, 2014	Jan 9, 2015
Dean - Institute Development	National Institute of Technology Tiruchirappalli	Apr 23, 2012	Apr 22, 2015
Appellate Authority	National Institute of Technology Tiruchirappalli	Apr 23, 2012	Till Date
Head of the Department	National Institute of Technology Tiruchirappalli	Feb 4, 2004	Dec 21, 2005
Head of the Department	Regional Engineering College Tiruchirappalli	Apr 1, 1991	Apr 1, 1993
Nodal Officer	National Institute of Technology Tiruchirappalli	Sep 21, 2015	Mar 31, 2019
Chairman (SC-ST Cell)	National Institute of Technology Tiruchirappalli	Apr 23, 2019	Till Date
Chairman (OBC/PwD and Minorities Cell)	National Institute of Technology Tiruchirappalli	Sep 15, 2021	Till Date

10. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2022	Best Performer Award	National Institute of Technology Tiruchirappalli
2021	Best Performer Award	National Institute of Technology Tiruchirappalli
2003	Best Paper Award	American Society of Mechanical Engineers
2007	Letter of Appreciation	Palgrave Macmillan Publications
1998	Letter of Appreciation and sought for Consultancy	Mr.J.K. Ghose, Additional Chief Engineer, M.N. Dastur & Co. Ltd

11. Details of Academic Work
    (i) Curriculum Development

S.No.	Nomenclature of Innovative Academic Programme formulated	Date of approval by Academic Council	Year of Introduction
1	Machine Learning Techniques	Aug 31, 2017	2017
2	Advanced Machine Learning Techniques	Nov 30, 2018	2019
3	Basic Data Analytics	Aug 31, 2007	2007
4	Advanced Data Analytics	Aug 27, 2007	2008

(ii) Courses taught at Postgraduate and Undergraduate levels

S.No.	Academic Programme Thought at Post Graduate level	Trimester / year
1	Machine Learning Techniques	V / II
2	Advanced Machine Learning Techniques	VI / II
3	Basic Data Analytics	IV / II
4	Advanced Data Analytics	V / II
5	Project system management	IV / II

(iii)Projects guided at Postgraduate level

More than 300 PG level students guided for their final year projects.

12. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	**To**	**Ongoing/ Completed**
Cognitive Based Curriculum Development Tool for Emerging Areas of Computer Engineering and Management Studies for Improving Teaching Learning Process	University Grants Commission (UGC) under Obama-Singh 21st Century Knowledge Initiative Grant, GOI	2013	2016	Completed
Deciphering the Dynamic Architecture Design from Music and Developing Software	MHRD, Govt. of India Under SCSP/TSP/Sub plan	2014	2017	Completed
Data Mining - Opinion Mining	DEITY	2015	2020	Completed

13. Number of PhDs guided/ongoing

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award	Awarded/ ongoing
Kathirvel S	Particle swarm optimization and initialization strategies in an expectation maximization algorithm to improve the ABC classification and its performance evaluation with other models	Supervisor	2024	Awarded
Hari Hara krishna Kumar	A Novel approach to rate banks using Modified boosted support vector machine and new variant of agglomerative clustering algorithm	Co-Supervisor	2023	Awarded
Vishni Vivek M	Tax capacity assessment leveraging stochastic frontier analysis: evidence from an Indian state	Co-Supervisor	2023	Awarded
A Santhosh Kumar	Opinion Mining of Customer Reviews Using Different Distance based Kernel for e-commerce and Customer service industry.	Supervisor	2022	Awarded

R Sundar	Enhancement of Boosted SVM, PSO, K-Means Laplacian and Expectation Maximization- Gaussian Mixture Model Algorithms to improve the classification/clustering performance.	Supervisor	2022	Awarded
Sarin Abraham	Development of Methods to Study Impact and to Select Nash Equilibrium in Non-Zero-Sum Games & Usage of Gamma and Beta Distribution for Negotiation and Application of Asymmetric Triangular Distribution Fuzzy Approach in Multi-Criteria Decision-Making Problem in Zero-Sum Games	Supervisor	2021	Awarded
A Maruthamuthu	A performance analysis of Machine Learning techniques in healthcare sector - Prediction of carotid atherosclerosis in patients with impaired glucose tolerance and a new methodology to arrive at the membership weights for fuzzy SVM	Supervisor	2021	Awarded
M Sivaguru	Modification in the dynamic Fuzzy C Means and Rough K-means algorithm resulting in performance improvement in the classification of Fuzzy data- Application in Customer Segmentation	Supervisor	2021	Awarded
M Vijaya Prabhagar	Performance Improvement in Classification Techniques Resulting in New Performance Measures and Modification in Agglomerative, Self-Organizing Map (SOM) and Rough K-Means Algorithms.	Supervisor	2021	Awarded
M Ramanathan	A causal model to prioritize the task of work-packages in R&D projects and Means to rank the R& D projects based on their Criticality	Supervisor	2020	Awarded
S Manochandar	Performance Improvement in Recommender systems, SVM in text mining, and K-Means clustering resulting in new similarity measure, prediction expression, new feature selection, new initialization and new validity measure.	Supervisor	2020	Awarded

M Prabha	A study on the impact of psychological empowerment on motivation and satisfaction among the faculty working in the technical educational institutions	Supervisor	2020	Awarded
M I Nafeesthul Basariya	A procedure to arrive at stationarity in time series data to predict the Behaviour and to study the impact of macro-economic indicators on the stock price	Supervisor	2020	Awarded
Antonette Asumptha	A study on Knowledge Sharing Practices in Institutions and family-owned businesses	Supervisor	2019	Awarded
Lavanya	Development of a hybrid causal model to link job satisfaction and job performance – application in service institutions	Supervisor	2015	Awarded
P Sridevi	Means to select an appropriate fuzzy index parameter, new membership function and kernel function for a FCM based FSVM classifier	Supervisor	2015	Awarded
Rani Susmitha	A study on Service quality of cardiac hospitals in India: Model based approach	Supervisor	2014	Awarded
Jose Joy Thoppan	Detection of Stock Price Manipulation: Developing an Effective Model for Detecting Trade Based Market Manipulation	Supervisor	2013	Awarded
Nandha Kishore Shetty	A study of customers' brand preference pattern in commodity market with a special reference to cement industry	Supervisor	2011	Awarded
R Murali	A study on the Performance Management System	Supervisor	2010	Awarded
P Mathiyalagan	Supplier Selection through Structural Equation Modelling and fuzzy Logic	Supervisor	2010	Awarded
M Prasanna Mohan Raj	Developing a Model to measure Brand Loyalty	Supervisor	2009	Awarded
P Parthiban	Unified heuristics for a class of sourcing problems in supply chain	Supervisor	2009	Awarded

14. Number of Ongoing PhD

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)
S Balu	Rural Banking	Supervisor
S Niranjani	Comprehensive Frame work on Quality in Health Care	Supervisor
G Kala Nisha	Stock Prediction using Machine Learning Techniques	Supervisor
D Yogendran	Machine Learning Techniques and its application	Supervisor
T Prem Dhivakar	Deep Learning Techniques and its algorithms	Supervisor
Vigneswara raj A G	Deep Belief Network's and its applications	Supervisor
Manikandan S	Supply chain management using block chain technology	Supervisor
Manikandan O	Detection of financial statements frauds using ML algorithms	Supervisor
Nallagatla Dharma Teja	Deep Learning and Optimization techniques application	Supervisor
Prakash A	Machine learning application in Supply chain	Supervisor

15. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event	Role	Event Organized by	Venue
December 11 -13, 2013.	International conference on Business Analytics and Intelligence (ICBAI 2013	International	Paper presenter	IIM, Bangalore	IIM, Bangalore
April 10 – 11, 2012	International Conference on Modelling, Optimization and Computing (ICMOC 2012	International	Paper presenter	Noorul Islam University	Noorul Islam University, Kumaracoil, Tamil Nadu

2012	International Conference on Modelling Optimization and Computing- (ICMOC-2012)	International	Paper presenter	Procedia Engineering	-
1999	Proceedings of the International Conference on Delivering Service Quality: Managerial Challenges for the 21 St Century	International	Paper presenter	I.I.M., Ahmadabad	I.I.M., Ahmadabad
1999	Total Quality management, sponsored by UGC	National	Paper presenter	SNR Sons College,	SNR Sons College, Coimbatore

16. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event	Date	Role	Venue
Nuances of Support Vector Machine	National	October 5th – 7th 2012.	Convenor	Department of Management Studies, NIT, Tiruchirappalli
Data Mining and its Applications	National	October 2nd 2011	Convenor	Department of Management Studies, NIT, Tiruchirappalli
Emerging Trends in Supply Chain and Changing Business Environment	National	Jan 22-23, 2011	Convenor	Department of Management Studies, NIT, Tiruchirappalli
MDP Program on Data Analytics for Business Decisions	National	Jan 21-26, 2006	Convenor	Department of Management Studies, NIT, Tiruchirappalli

16. Invited Talks delivered

Topic	Date	Inviting Organization
Advanced Statistical Techniques	August 15-27, 2008	Indian Institute of Technology Madras
Business Analytics and Intelligence	April 24th 2017	Department of Computer Application, CIT Coimbatore
Data Analytics Workshop	Jun 8th 2012	Department of Computer Science & Engineering, NIT Tiruchirappalli
Training program for Promotee Executives	November 11-16, 2002	Bharat Heavy Electricals Limited (BHEL)Tiruchirappalli,
Training program for Promotee Executives	October 21-26, 2002	Bharat Heavy Electricals Limited (BHEL) Tiruchirappalli
Training program for Executive Trainees	February 17, 1997.	Bharat Heavy Electricals Limited (BHEL) Tiruchirappalli

17. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year
Manikandan S Punniyamoorthy M	Leveraging Log likelihood variance to predict stock price Using HMM	International Journal of Business Information Systems	In press	In Press	2024
Niranjani Seethapathy Punniyamoorthy M	Machine Learning based approach to identify human push recovery using GAIT Analysis	International Journal of Enterprise Network management	In press	In Press	2024
Kala Nisha Gopinath Punniyamoorthy M Hari Hara krishna Kumar Matthew Mitchell	Novel variants of the TOPSIS algorithm to select and rate bank counterparties	International Journal of Computational Economics and Econometrics	In press	In Press	2024
A.G vigneshwararaj Punniyamoorthy M Nallagatla Dharma teja	A framework on right kernel and lattice verses scale of data for better classification in self-organizing map	Expert System with application	239	122383	2024

Sivaguru M Punniyamoorthy M	Dynamic Fuzzy clustering algorithm using cumulative cost curve with application to dynamic customer segmentation	International Journal of Business Information Systems	46(1)	73-106	2024
Kala Nisha Gopinath Punniyamoorthy M	Stock price Prediction using a Novel approach in gaussian Mixture model -Hidden Markov model	International Journal of Intelligent Computing and Cybernetics	17(1)	61-100	2023
Yogendran D Punniyamoorthy M	Improved Bias Value and New Membership Function to Enhance the Performance of Fuzzy Support Vector Machine	Expert Systems with Applications	In Press	In Press	2022
Sundar R, Punniyamoorthy M	K-means Laplacian Clustering Revisited	Engineering Applications in Artificial Intelligence	107	104535	2022
Sundar R, Punniyamoorthy	PSO based data clustering with a different perception	Swarm and Evolutionary Computation	64	100895	2021
Vijaya Prabhagar, M., Punniyamoorthy, M	Some measures to impact on the performance of Kohonen self-organizing map	Multimedia tools and applications	80	26381–26409	2021
Sivaguru, M., Punniyamoorthy, M	Performance-enhanced rough k-means clustering algorithm	Soft Computing	25	1595-16116	2021
Manochander, S., Punniyamoorthy, M	A new user similarity measure in a new prediction model for collaborative filtering	Applied Intelligence	51	586-615	2021
Anu, S., Muthukkumaran, K., Punniyamoorthy, M., Veerapandian, S. A., & Sangeetha, G	A methodology for the transformation of architectural forms into music and vice-versa for the enhancement of the musical and architectural libraries	Multimedia Tools and Applications	80	10901-10926	2021
Manochander, S, Punniyamoorthy, M, Jeyachitra R.K	Development of new seed with modified validity measure for K-means clustering	Computers and Industrial Engineering	141	106290	2020
Sivaguru M, Punniyamoorthy M	Modified dynamic fuzzy c-means clustering algorithm – Application in dynamic customer segmentation	Applied Intelligence	50	1922-1942	2020

Vijaya Prabhagar, M., Punniyamoorthy, M	A new initialization and performance measure for the rough k-means clustering	Soft Computing	24	11605-11619	2020
Anu Sendhil, Muthukkumaran, K, Punniyamoorthy, M, Veerapandian, S. A., & Sangeetha, G,	Deciphering the frozen music in building Architecture and Vice-Versa process	Multimedia tools and applications	79	13501-13532	2020
Prabhagar, M. V., & Punniyamoorthy, M	Development of new agglomerative and performance evaluation models for classification	Neural Computing and Applications	32	2589-2600	2020
Sundar R, Punniyamoorthy M	Performance enhanced Boosted SVM for Imbalanced data sets	Applied Soft Computing	83	105601	2019
Manochandar, S., Punniyamoorthy, M	Scaling Feature selection method for enhancing the classification performance of support vector machines in text mining	Computers & Industrial Engineering	124	139-159	2018
Punniyamoorthy, M., & Sridevi, P	Influence of fuzzy index parameter on new membership function for an efficient FCM based FSVM classifier	Journal of the National Science Foundation of Sri Lanka	45	367-379	2017
Punniyamoorthy, M., Mathiyalagan, P., & Parthiban, P	A strategic model using structural equation modelling and fuzzy logic in supplier selection	Expert Systems with Applications	38	458-474	2011
Parameshwaran, R., Srinivasan, P. S. S., Punniyamoorthy, M., & Charunyanath, S. T	Integrating fuzzy analytical hierarchy process and data envelopment analysis for performance management in automobile repair shops	European Journal of Industrial Engineering	3	450-467	2009
Punniyamoorthy, M., & Ragavan, P. V.	Justification of automatic storage and retrieval system (AS/RS) in a heavy engineering industry	The International Journal of Advanced Manufacturing Technology	26	653-658	2005
Ganesh, K., Punniyamoorthy, M	Optimization of continuous-time production planning using hybrid genetic algorithms-simulated annealing.	The International Journal of Advanced Manufacturing Technology	26	148-154	2004

Ragavan, P., & Punniyamoorthy, M.	A strategic decision model for the justification of technology selection.	The International Journal of Advanced Manufacturing Technology	21	72-78	2003
Aravindan, P., Punniyamoorthy, M	Justification of advanced manufacturing technologies	The International Journal of Advanced Manufacturing Technology	19	151-156	2002
Vishnu Vivek M , Punniyamoorthy, M	Tax capacity assessment for COVID-19 resource mobilization: evidence from an Indian state	International Journal of Economic Policy in Emerging Economies	In Press	In press	2022
Vishnu Vivek M , Punniyamoorthy, M	Tax Capacity Assessment and performance: A within state analysis	International Journal of Business Information Systems	In Press	In press	2022
Santhosh Kumar A, Punniyamoorthy, M & Ernest Johnson	Opinion mining to win consumers in the e-commerce space – a case study approach	Int. J. Logistics Economics and Globalization,	9	303-318	2022
Santhosh Kumar A, Punniyamoorthy, M & Ernest Johnson	Opinion mining of customers reviews using new Jaccard dissimilarity kernel function	International Journal of Enterprise Network Management	In Press	In press	2022
Santhosh Kumar A, Punniyamoorthy, M & Ernest Johnson	Mining customer reviews to evaluate the contact center agent performance using custom kernel function	International Journal of Enterprise Network Management	In Press	In press	2022
Kathirvel S, Punniyamoorthy M	ABC analysis using Particle Swarm Optimization and its performance evaluation with other models	Benchmarking: An International Journal	29	1587-1605	2021

Abraham, S., & Punniyamoorthy, M	A fuzzy approach using asymmetrical triangular distribution in a two-person zero-sum game for a multi-criteria decision-making problem.	Quantum Machine Intelligence	3	1-24	2021
M Prabha, M Punniyamoorthy, S Nivethitha	Examining the bi-directional relationship between motivation and satisfaction: based on the impact of psychological empowerment	International Journal of Process Management and Benchmarking	11	431-453	2021
M Prabha, P Murugesan, N Santhanam	A study on the impact of psychological empowerment on motivation and satisfaction among the faculty working in the technical educational institutions in India based on age and work	International Journal of Enterprise Network Management	12	70-84	2021
Viswanathan, H. H. K. K., Murugesan, P., Rengasamy, S., & Vilvanathan, L.	A modified boosted support vector machine to rate banks.	Benchmarking: An International Journal.	28	1-27	2020
Ande Raja Ambedkar, Punniyamoorthy. M, Thamaraiselvan. N,	Brand Resonance Score for CBBE Model-An Application in Financial Services	Benchmarking: An International Journal	24	1490-1507	2017
Punniyamoorthy, M., & Sridevi, P.	Identification of a standard AI based technique for credit risk analysis	Benchmarking: An International Journal	23	1381-1390	2016
Punniyamoorthy, M., Thamaraiselvan, N., Manikandan, L	Assessment of supply chain risk: Scale development and validation	Benchmarking: an international Journal	20	79-105	2013
Punniyamoorthy M., Mathiyalagan, P., & Lakshmi, G	A combined application of structural equation modelling (SEM) and analytic hierarchy process (AHP) in supplier selection	Benchmarking: An International Journal	19	70-92	2012
Punniyamoorthy, M., & Murali, R	Balanced score for the balanced scorecard: a benchmarking tool	Benchmarking: An International Journal	15	420-443	2008

Sarin Abraham, Punniyamoorthy, M.	Analysis and assessment of divergence of final offers in negotiation using Gamma and Beta distribution	International Journal of Advanced Operations Management	14	134-152	2022
MIN Basariya, M Punniyamoorthy	An Approach to arrive at stationarity in time series	International Journal of applied management science	In Press	In Press	2022
A Maruthamuthu, P Murugesan, AN Muthulakshmi	A New Methodology to Arrive at Membership Weights for Fuzzy SVM	International Journal of Fuzzy System Applications	11	1-15	2022
Punniyamoorthy M, Abraham S, Thoppan JJ	A Method to Select Best Among Multi-Nash Equilibria	Studies in Microeconomics	In press	In press	2021
MIN Basariya, M Punniyamoorthy	A data analysis framework to predict the behaviour of macroeconomic indicators of countries	International Journal of Operational Research	42	107-129	2021
MIN Basariya, P Murugesan	A study on the impact of macroeconomic indicators on the stock price by relaxing the assumptions of stationarity in time series data in a general linear model	International Journal of Enterprise Network Management	12	56-69	2021
Ganapathy G, Sivakumaran N, Punniyamoorthy M, Tryambak Chatterjee, Monisha Ravi	Improving the prediction accuracy of low back pain using machine learning through data pre-processing techniques	International Journal of Medical engineering and	13	92-102	2021
S Abraham, M Punniyamoorthy	A development in the existing nonlinear model and to study its impact on the Nash equilibrium in a two-person non-zero sum game	International Journal of Enterprise Network Management	12	97-112	2020
Ramanathan M., Punniyamoorthy, M., Balamurugan V, Ravi	A causal model to prioritize the task of work packages in R&D projects	International Journal of Enterprise Network Management	In press	In press	2020

Author	Title	Journal	Vol	Pages	Year
Ramanathan M., Punniyamoorthy, M., Balamurugan V, Ravi B	Means to rank the R&D Projects based on their criticality	International Journal of Information Technology Project Management	11	1-15	2020
NC Devi, M Punniyamoorthy	Herding behavior in beta-based portfolios	International Journal of Management Practice	13	338-351	2020
Maruthamuthu, A., Punniyamoorthy, M., Paluru, S. M., & Tammuluri, S.	Prediction of carotid atherosclerosis in patients with impaired glucose tolerance-a performance analysis of machine learning techniques	International Journal of Enterprise Network Management	10	109-117	2019
Ganapathy, G., Sivakumaran, N., Punniyamoorthy, M., Surendheran, R., & Thokala, S.	). Comparative study of machine learning techniques for breast cancer identification/diagnosis	International Journal of Enterprise Network Management	10	44-63	2019
Punniyamoorthy, M., & Asumptha, J. A.	A study on knowledge sharing behaviour among academicians in India.	Knowledge Management & E-Learning: An International Journal	11	95-113	2019
Raja Ambedkar, A., Murugesan, P., & Thamaraiselvan, N	Modelling Brand resonance score (BRS)–an application in financial services	Journal of Modelling in Management	13	119-136	2018
Antonette Asumptha J, & Punniyamoorthy, M	Succession Planning and Knowledge Management in family owned business firms	International Journal of Pure & Applied Mathematics	119	293-302	2017
Punniyamoorthy, M., & Sridevi, P	Evaluation of a FCM-based FSVM classifier using fuzzy index	International Journal of Enterprise Network Management	8	14-34	2017
Sivakumar, P., Ganesh, Punniyamoorthy, M., Lenny Koh, S.C	Genetic Algorithm for Inventory Levels and Routing Structure Optimization in Two Stage Supply Chain	International Journal of Information Systems and Supply Chain Management,	6	33-49	2013

M. Punniyamoorthy, Rani Susmitha and K. Ganesh	A study on the impact of demographics, clinical quality variables and service quality factors on cardiac patient satisfaction in India	International Journal of Operational Research.	-	-	2013
Thoppan, J. J., & Punniyamoorthy, M	Market manipulation and surveillance–a survey of literature and some practical implications.	International Journal of Value Chain Management	7	55-75	2013
Punniyamoorthy, M., Thoppan, J.J	ANN-GA based model for Stock Market Surveillance	Journal of Financial Crime,	20	52-66	2013
Malairajan, R.A., Ganesh, K., Punniyamoorthy, M. and Anbuudayasankar, S.P.	Decision Support System for Real Time Vehicle Routing in Indian Dairy Industry-A Case Study	International Journal of Information System and Supply Chain management	6	77-101	2013
Kiruthika, A., Chandramohan, S., Punniyamoorthy, M., & Latha, S	Evaluation of service quality of banks–a fuzzy approach	International Journal of Enterprise Network Management	5	333-354	2012
Sivakumar, P., Ganesh, K., Anbuudayashankar, S.P., Punniyamoorthy, M., Lenny Koh, S.C.,	"Heuristic approach for balanced allocation problem in logistics: a comparative study	International Journal of Operational Research	14	255-270	2012
Punniyamoorthy, M., Mahadevan, B., Shetty, N.K., Lakshmi, G.	A framework for assessment of brand loyalty score for commodities	Journal of Targeting, Measurement and Analysis for Marketing	201119	243–260	2011
Manikandan, L., Thamaraiselvan, N., & Punniyamoorthy, M.	An instrument to assess supply chain risk: establishing content validity.	International Journal of Enterprise Network Management	4	325-343	2011
Parameshwaran, R., Srinivasan, P. S. S., &Punniyamoorthy, M	An integrated approach for performance enhancement in automobile repair shops	International Journal of Business Excellence	3	77-104	2010

Punniyamoorthy, M., & Murali, R	Identification of benchmarking service units through productivity and quality dimensions	International Journal of Business Performance Management	12	103-122	2010
Parthiban, P., M. Punniyamoorthy, K. Ganesh and G.R. Janardhana,	A model for selection of suppliers by comparison of two clustering algorithms	International Journal of Applied Decision Sciences	2	422-433	2009
Parthiban, P., Punniyamoorthy, M., Ganesh, K., & Ranga Janardhana, G	A hybrid model for sourcing selection with order quantity allocation with multiple objectives under fuzzy environment	International Journal of Applied Decision Sciences	2	275-298	2009
Punniyamoorthy, M., & Murali, R	A framework to arrive at a unique performance measurement score for the balanced scorecard	International Journal of Data Analysis Techniques and Strategies,	1	275-296	2009
Parthiban, P., Punniyamoorthy, M., Ganesh, K., &Ranga Janardhana, G.	Bidding process and integrated fuzzy model for global sourcing based on customer preferences	International Journal of Electronic Customer Relationship Management	3	18-37	2009
Parameshwaran, R., Srinivasan, P. S. S., &Punniyamoorthy, M	Modified closed loop model for service performance management	International Journal of Quality & Reliability Management	26	795-816	2009
P. Mathiyalagan M. Punniyamoorthy, P. Parthiban	An integrated model for a class of sourcing problem using multiple regression analysis and analytical hierarchy process	International Journal of Enterprise Network Management.	3	374-394	2009
Parthiban, P., Punniyamoorthy, M., Mathiyalagan, P., & Dominic, P. D. D	A hybrid decision model for the selection of capital equipment using AHP in conjoint analysis under fuzziness	International Journal of Enterprise Network Management	3	112-129	2009

Parthiban, P., Punniyamoorthy, M., Ganesh, K., & Parthasarathi, N. L	Logical approach for evaluation of supply chain alternatives	International Journal of Management and Decision Making	9	204-223	2008
Punniyamoorthy, M. Prasanna Mohan Raj. M	An empirical model for brand loyalty measurement	Journal of Targeting, Measurement and Analysis for Marketing	15	222-233	2007
Antonette Asumptha J, M. Punniyamoorthy and Roshan Rayen	Knowledge sharing behaviour of physicians (Dentists) in Hospitals	Global journal of Medical Research: K interdisciplinary	18	-	2018
Antonette Asumptha J, M. Punniyamoorthy	Compare and Contrast of Knowledge Sharing of Academicians to Students-A Study in Private and Public Universities	Journal of Education and Learning	11	311-326	2017
M. Punniyamoorthy G. Lakshmi, &S. Chandramohan	A methodology for identifying significant factors in supplier selection: a context based approach	International Journal of logistics and supply chain management	4	-	2015
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(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Punniyamoorthy, M.,	FCM based FSVM classifier using Fuzzy Index on credit risk evaluation	International conference on Business Analytics and Intelligence	-	Business Analytics and Intelligence	IIM, Bangalore	2013
Punniyamoorthy, M	DINLIP: Model to Solve Integrated Resource Allocation and Routing Problem with Bound and Time Window	International Conference on Modelling, Optimisation and Computing	-	Modelling, Optimisation and Computing	Noorul Islam University, Kumaracoil, TamilNadu	2012
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Punniyamoorthy, M	Service quality model to measure customer satisfaction	Proceedings of the International Conference on Delivering Service Quality: Managerial Challenges for the 21 St Century	-	Service Quality: Managerial Challenges	I.I.M., Ahmadabad	1999
Punniyamoorthy, M	A model to measure customer satisfaction	Total Quality management, sponsored by UGC	-	Total Quality management	SNR Sons College, Coimbatore	1999

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Jose Joy Thoppan, M. Punniyamoorthy, K. Ganesh,Sanjay Mohapatra	Developing an Effective Model for Detecting Trade-Based Market Manipulation	Emerald Group Publishing Limited	2021	978-1-80117-397-1
Sanjay Mohapatra, K. Ganesh, M. Punniyamoorthy, Rani Susmitha	Service Quality in Indian Hospitals Perspectives from an Emerging Market	Springer Publications	2018	978-3-319-67888-7
K. Ganesh, Sanjay Mohapatra, R. A. Malairajan and M. Punniyamoorthy	Resource Allocation Problems in Supply Chains	Emerald Group Publishing Limited	2015	9781785603990
M Punniyamoorthy	Production Management,	Anna University, Chennai,	2012	-
M Punniyamoorthy	Solution Manual for the book PROJECTS: Planning, Analysis, Selection, Financing, Implementation, and Review by Prasanna Chandra	-	2012	-