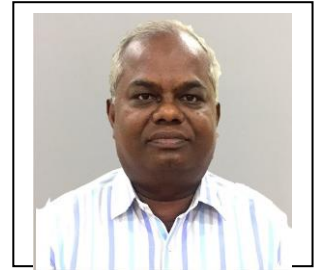


National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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 Punniyamorthy
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

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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 |

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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 |

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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.

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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 |
|-------------------------|---|----------------------------------|---------------|------------------|
| 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 |

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| | | | | |
|-------------------------|--|------------|------|---------|
| 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 |

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|--------------------------|--|------------|------|---------|
| 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 Kathirvel | Spare parts Inventory Management | Supervisor |
| B Saravananar | Logistics Network Planning | 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 |

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15. Number of PhD Guidance as Co-supervisor

| Name of the PhD Scholar | Title of PhD Thesis | Role |
|--------------------------------|---|---------------|
| Hari Hara Krishna Kumar | A modified boosted support vector machine to rate banks | Co Supervisor |
| M Vishnu Vivek | Tax Capacity Assessment for COVID-19 resource mobilization: Evidence from an Indian State | Co Supervisor |

16. 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 |

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17. 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 |

18. 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 |

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19. Publications

(A) Refereed Research Journals:

| Author(s) | Title of Paper | Journal | Volume (No.) | Page numbers | Year |
|---|--|---|---------------------|---------------------|-------------|
| 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 |

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|--|--|--|-----|-----------------|------|
| 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 |

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|--|---|--|----------|-----------|------|
| 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 |

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|--|--|--|----------|-----------|------|
| 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 |

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|---|--|--|----------|----------|------|
| 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 |
| 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 |

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|--|--|--|-----|---------|------|
| 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 |

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|--|--|--|--------|---------|------|
| 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 |

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