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

Curriculum Vitae

I am Dr. P. Parthiban, currently serving NIT- Trichy as an Assistant Professor in the Department of Production Engineering. My doctorate is from JNT University, Hyderabad and ME is from NIT Trichy. With over 17 years (10.6 years at NITT) of service experience as an academician, I was also a Visiting Research Fellow at the National University of Singapore during December 2008 to January 2009. A vivid researcher, I have published over 100 research papers in prestigious international journals and has credited paper presentations all over the world through conferences to the intelligentsia. My research interests are in the nuances of Production and operations Management, Operations Research, Supply chain management and Systems Engineering. My papers are published in refereed journals like international journal of Logistics Economics and Globalization, International Journal of Business and Systems Research, International journal of Production research, Ecological Indicators, Expert Systems with Applications, International Journal of Value Chain Management, International Journal of Enterprise Network Management, International Journal of Applied Management Science to name a few. My papers are also published as book chapters in IGI Global, USA and Intech publication U.K. I am also serving the academic sorority by research consultancies and organizing workshops along with being Editorial board member for various journals of international repute. I am also a well respected reviewer of many International journals like Scientific Essays and Research, Benchmarking: an international journal, Expert System with Applications etc of academic grade. I have played active part in organizing workshops to promote entrepreneurship, lean manufacturing and ERP to name a few. As a academician I have delivered guest lectures on Supply chain Management, MRP in manufacturing and Research issues in Supply chain management in and around Tamilnadu. I am presently the Principal Investigator for the Project Entitled "Artificial Intelligence heuristics for a class of combinatorial optimization problems" funded by Ministry of Human Resource Development. Adding to my credentials, I have successfully completed four project consultancies funded by DRDL, Department of Science and Technology under the scheme of Science and Engineering Research Council, Vasan group of Industries. Apart to this I am earnestly engaged and is serving in various Academic councils as the Board of Studies member, K.S.R.College of Technology, Tiruchengode, Project Co-ordinator for B.Tech & M.Tech and Performance Analysis Committee Chairman, Member, Syllabus revision committee and I have introduced three electives for B.Tech and M.Tech. As a doctorate in Supply chain management, I have developed a new laboratory on supply chain management for our UG & PG Programmes and introduced eight exercises.

I also worked as deputy warden for hostels during 2006 – 2008. To add my other contributions, I was the staff advisor for Prodigy 2009, cultural coordinator in Festember 2008 and overall staff advisor for Festember 2010 & 2011.

1. Name: **Dr.P.Parthiban**

2. Designation: **Assistant Professor**

3. Office Address: **Department of Production Engineering**

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   Mobile (Optional): **+91 9443430246**

5. Email (Primary): **parthiban@nitt.edu**   Email (Secondary) : **parthee_p@yahoo.com**

6. Field(s) of Specialization:

   Logistics & Supply Chain Management

   Operations Management, Project Management, Operations Research, Supply chain management, Manufacturing Technology and Systems Engineering

   Supply Chain Management, Logistics Management, Enterprise Resource Planning, Multi-Criteria Decision Making, Meta-Heuristics, Production Management System, Value Engineering, Work Study and Ergonomics, Operations Research, Materials Management.

7.   Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology, Trichy	June 2006	Till date
Senior Lecturer	Vellore Institute of Technology, Vellore	Nov. 2001	June 2006
Lecturer	Oxford Engineering College, Trichy	Dec. 1998	Nov 2001

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	J.N.T.University, Hyderabad	2005–2010	Highly Commented	Supply Chain Management
Master of Engineering	National Institute of Technology (REC), Trichy.	1999-2000	8.72 CGPA Distinction	Industrial Engineering

Bachelor of Engineering	Madras University, Chennai	1994 – 1998	61.5	Mechanical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Deputy Warden	Emerald Hostel	June 2006	Jan 2008
Staff Advisor	Festember-Cultural Festival	2010	2012
Staff Advisor	Prodigy	2009	2010
Coordinator	Guest House	2010	2012
Member	Syllabus revision committee	2008	2015
coordinator	NBA- Mock Visit, NITT	2011	2012
PAC Chairman	B.Tech Production Engg	2007	2010
PAC Chairman	M.Tech Industrial Engg	2010	2012
Project Coordinator	B.Tech Production Engg	2009	2010
Project Coordinator	M.Tech Industrial Engg	2011	2012
Coordinator	Stock Verification	2007	2016
PAC Chairman	M.Tech Industrial Engg	2015	2017
Project Coordinator	M.Tech Industrial Engg	2016	2017

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Board of Studies member	K.S.R.College of Technology, Tiruchengode	2008	2016
Board of Studies member	Adhiyaman College of Engineering, Hosur	2013	2016
Board of Studies member	Mahendra Engineering College, Tiruchengode	2011	2016
Board of Studies member	Vivekanandha college of Engineering for Women, Tiruchengode	2013	2015

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2004	Best Teacher Award	VIT University
2009	Young Scientist Award	DST

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work
 (i)   Curriculum Development
       1. Supply chain management (B.Tech)
       2. Systems Engineering (M.Tech)
       3. Supply chain management (M.Tech)
       4. Supply chain management lab (M.Tech)
       5. Industrial Engg & Productivity Management (M.Tech)
       6. Operations Management (B.Tech)
       7. Work Design and Facilities Planning (B.Tech)
       8. Production Management System (M.Tech)
       9. Value Engineering (M.Tech)
       10. Value Engineering (B.Tech)
       11. Production planning and cost estimation (B.Tech)

 (ii)   Courses taught at Postgraduate and Undergraduate levels

       1998 – 2006
       Resource Management Techniques
       Operations Research
       Thermal Engineering
       Automobile Engineering
       Production Planning and Control
       Industrial Engineering
       Production & Operations Management
       Reliability Engineering
       Thermal Engineering Lab
       Basic Mechanical Engineering
       Engineering Graphics

       2006 – 2007
       Value Engineering (M.Tech), Feebback score: 9.6
       Work Design and Ergonomics (M.Tech), Feebback score: 9.2
       Engineering Mechanics (B.Tech), Feebback score: 8.6
       Work Design and Facilities Planning (B.Tech), Feebback score: 8.5
       Production planning and cost estimation (B.Tech)
       Engineering Graphics (B.Tech)

       2007 – 2008

Work Design and Ergonomics (M.Tech), Feebback score: 9.1
Engineering Mechanics (B.Tech), Feebback score: 8.3
Work Design and Facilities Planning (B.Tech), Feebback score: 8.3
Measurements and Metrology (B.Tech)
Work shop practice (B.Tech)
Work shop (B.Tech – III sem)

2008 – 2009
Manufacturing Management (M.Tech), Feebback score: 9.3
Supply chain management (M.Tech), Feebback score: 8.9
Engineering Mechanics (B.Tech), Feebback score: 8.9
Work Design and Facilities Planning (B.Tech), Feebback score: 8.5
Work shop practice (B.Tech)
Work shop practice (B.Tech)
Project Co-ordinator (B.Tech)

2009 – 2010
Value Engineering (M.Tech), Feebback score: 9.2
Supply chain management (M.Tech), Feebback score: 9.1
Value Engineering (B.Tech), Feebback score: 8.1
Work Design and Facilities Planning (B.Tech), Feebback score: 8.8
Work shop practice (B.Tech)
Comprehensive Evaluation (B.Tech)
Project Co-ordinator (Match)

2010 – 2011
Operations Management (B.Tech)
Work Design and Facilities Planning (B.Tech)
Production Management System (M.Tech), Feebback score: 9.3
Supply chain management (M.Tech)
Work shop practice (B.Tech)
Work shop practice (B.Tech)

2011 – 2012
Supply chain management (B.Tech)
Systems Engineering (M.Tech)
Project Co-ordinator (M.Tech)
Work Design and Facilities Planning (B.Tech)
Supply chain management (M.Tech)
Supply chain management lab (M.Tech)
Project Co-ordinator (M.Tech)

2012 – 2013
Supply chain management (B.Tech)
Systems Engineering (M.Tech)
Work shop practice (B.Tech)

Work Design and Facilities Planning (B.Tech)
Supply chain management (M.Tech)
Supply chain management lab (M.Tech)

2013 – 2014
Supply chain management (B.Tech)
Systems Engineering (M.Tech)
Work shop practice (B.Tech)
Work Design and Facilities Planning (B.Tech)
Supply chain management (M.Tech)
Supply chain management lab (M.Tech)

2014 – 2015
Supply chain management (B.Tech)
Systems Engineering (M.Tech)
Work shop practice (B.Tech)
Work Design and Facilities Planning (B.Tech)
Supply chain management (M.Tech)
Supply chain management lab (M.Tech)

2015 – 2016
Supply chain management (B.Tech)
Industrial Engg & Productivity Management (M.Tech)
Work shop practice (B.Tech)
Project Co-ordinator (M.Tech)
Work Design and Facilities Planning (B.Tech)
Supply chain management (M.Tech)
Supply chain management lab (M.Tech)
Project Co-ordinator (M.Tech)

2016 – 2017
Supply chain management (B.Tech)
Industrial Engg & Productivity Management (M.Tech)
Work shop practice (B.Tech)
Project Co-ordinator (M.Tech)

(iii)   Projects guided at Postgraduate level

S.No	Name	Title of the project	Year
1.	Vijay Sendhil. M	Supplier Analysis For Consumer Durabels Using Cluster And Discriminant Analysis	Dec 2006
2	Vijay Sendhil. M	Performance Evaluation In Supply Chain Using Balanced Scorecard	May 2007

3	Y.R.K.Chowdary	Development and Assessment of modified VIKOR Method for Multi-Criteria Single Sourcing in Supply Chain	Dec 2007
4	Y.R.K.Chowdary	A Hybrid Model for Sourcing Selection with Order Quantity Allocation with Multiple Objectives under Fuzzy Environment	May 2008
5	Kamde Prasenjith	Developing A Model For Performance Management Of Small Manufacturing Industry	Dec 2008
6	Kamde Prasenjith	An Approch Towards Performance Management In Service Industry- A Case Analysis	May 2009
7	A. Ghatak	Modeling And Optimizing A Multi-Modal Distribution System With Empty Repositioning	Dec 2008
8	A. Ghatak	Modeling and Evaluation of Carbon Free Supply Chain: A Case Analysis	May 2009
9	A.Naveen Krishna	Generic Models for the Integrated Design of Domestic Supply Chain Network with Remanufacturing	Dec 2009
10	Ch. Prashanth	Modeling And Design Of Integrated Supply Chain Network	Dec 2009
11	A.Naveen Krishna	Analysis alternatives in reverse logistics for end-of-life computers: ANP &balanced scorecard approach	May 2010
12	Ch. Prashanth	Modeling And Design Of Integrated Supply Chain Network (JILPSD)	May 2010
13	Swati Kapoor	INTEGRATED MODEL FOR SUPPLIER SELECTION USING FUZZY QFD AND ANP	Dec 2010
14	G.Kishore	Business Process Reengineering A Case Study On Hi-Tech Gear Manufacturing Unit	Dec 2010
15	Sri Harsha Dorapudi	Reverse logistics of tire remanufacturing in automotives and its environmental impacts	Dec 2010
16	Swati Kapoor	Decision support system for vendor selection using integrated fuzzy approach	May 2011

17	G.Kishore	Supplier selection using clustering algorithms and discriminent analysis	May 2011
18	Sri Harsha Dorapudi	Analysis of vehicle routing problem with pick up and deliveries using SFHA and AIS	May 2011
19	Pravin Kerba Katakar	Vendor evaluation & order quantity allocation using fuzzy SWOT-DEA technique and Multi-objective programming	Dec 2011
20	Vikas Kumar Sahu	A hybrid algorithm for multi-vehicle routing problem	Dec 2011
21	Pravin Kerba Katakar	Vendor ranking paradigm: An integrated hierarchical methodology under multiple criteria environment	May 2012
22	Vikas Kumar Sahu	An integrated approach for supplier clustering and ranking	May 2012
23	Bomble Sharad Arun	Fuzzy quantitative approach to measure criteria and prioritize suppliers	Dec 2012
24	Suryawanshi Pankaj Prakash	A capacity warehouse location using Hub and Spoke model	Dec 2012
27	Mogale Dnyaneshwar	Analysis And Ranking Of Eco Drivers In Indian Automobile Manufacturing Scenario	Dec 2013
28	Sayali P Sinkar	Critical Success Factors For Implementation Of Lean And Green In Medium Scale Manufacturing Industries	Dec 2013
29	Malwadkar Vikrant Vilas	Evaluation Of Green Supply Chain In Indian Pressure Vessel Manufacturing Industries	Dec 2013
30	Malwadkar Vikrant Vilas	Development Of Performance Measures Framework To Assess Performance Of Green Supply Chain In Indian Manufacturing Industries	MAY 2014
31	Sayali P Sinkar	Lean Implementation At Vacuum 3 Area Of Tvs Rubber	MAY 2014
32	Mogale Dnyaneshwar	Green Supply Chain Performance Evaluation Model For Automotive Manufacturing Industries Using Eco Balanced Scorecard	MAY 2014

33	C.Nadumaran	Design and fabrication of electric bike	May 2006
34	A.Eakamaram	Optimization Of Machining Conditions On Composites Using Genetic Algorithm	May 2006
35	D.V.Guruprasad	*Balancing the workload amongst salesperson using four-stage heuristics*	May 2006
36	P.Prabhu Christopher	Decision Model For The Selection Of Capital Equipment	May 2006
37	Arun Jawarlal	Research perspective in the evaluation and selection of vendor entity in a supply chain	June 2005
38	M.Mythreyee	Efficiency improvement in induction motor	June 2005
39	Mithun Thampi	Economic load dispatch of power systems using hybrid differential evolution	June 2005

(iv)   Other contribution(s)

Editorship in Journals:

1. Associate Editor, International journal of green computing, IGI Global publishers

2. Member of Editorial Board, International Journal of Electronic Transport, Inderscience Publishers

3. Member of Editorial Board, International Journal of Decision making in Supply Chain and Logistics, International Science Press, Serial Publications

Reviewer in International Journals:

1. European Journal of Operations Research
2. Expert System with Applications
3. Bench Marking: An International Journal
4. Industrial Management and Data Systems
5. International Logistics Research and Applications
6. African Journal of Business Management

7. Journal of Economics and International Finance
8. Journal of Manufacturing Technology Management
9. International Journal of Sustainable Engineering
10. Scientific Research and Essays
11. International Journal of Livestock Production

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Artificial Intelligence heuristics for a class of combinatorial optimization problems	Ministry of Human Resource Development	2014	2017	Ongoing
Development of Models and Algorithms for Functional integration in Supply chain	Department of Science and Technology	2011	2014	Completed
Productionization of SECTION VI through Value Engineering	DRDL	2005	2006	Completed
A Study on layer manufacturing of components using indigenous powders	Department of Science and Technology	2003	2006	Completed
Application of MPS and MRP-I Techniques to improve the productivity in small scale industries	Vasan Group of Industries	2003	2004	Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
H.ABDUL ZUBAR(Roll No: 414110007)	Supply Chain Multi - Structural Framework For Supplier Evaluation In Strategic Sourcing	Supervisor	2013

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

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter,	Event Organized by	Venue

			Any other)		
13th - 23rd Sep 2004	Training on Application of Information Technology in Manufacturing CII, UNIDO	International	Participant	CMTI	Bangalore
28th June to 1st July 2003	Short Term Training Programme on "ERP Software – Steerprise"	International	Participant	ELMAQ Software Pvt. Ltd	
	workshop on Mechanism and its application	International	Participant	Professor, KURTLUCK, Germany	
28th to 29th Nov,2003	2-Days Educational workshop	International	Participant	Academic staff college	VIT
19-06-06 to 23-06-06	TEQIP Training under networking scheme	International	Participant	NIT Warangal	
4th January 2007	TIMA 2007 Pre Conference Tutorial	National	Participant	Department of Instrumentation and Control Engineering	NITT
12th to 16th March 2007	Recent advances in Logistics and Supply chain management	National	Participant	Department of Production Engineering	NIT, Trichy
19th - 20th December 2007	Design of Experiments for Engineers and Researchers	National	Participant	Department of Mechanical Engineering	NIT, Trichy
26th - 27th November 2007	Finite Element Method and Applications in Engineering using ANSYS	National	Participant	Department of Mechanical Engineering	NIT, Trichy
10th - 14th December 2007	Energy Conservation Measures for Manufacturing and Process Industries	National	Participant	Department of Mechanical Engineering	NIT, Trichy
25th to 29th Feb	Advanced Tools and Techniques	National	Participant	Department of Production	NIT, Trichy

2008	for Research in Engineering Problems			Engineering	
18 - 22 March 2008	Recent Trends in Advanced Manufacturing	National	Participant	Department of Production Engineering	NIT, Trichy
7 - 11 April 2008	Recent Advances in Industrial Engineering	National	Participant	Department of Production Engineering	NIT, Trichy
16 - 28 June 2008	Fuzzy Logic: Theory and Engineering Practices	National	Participant	Department of Production Engineering	NIT, Trichy
13 - 24 July 2009	Composite Materials: Processing challenges and opportunities	National	Participant	Department of Production Engineering	NIT, Trichy
14 - 18 December 2009	Quality through six sigma concept and its implementation	National	Participant	Department of Production Engineering	NIT, Trichy
21st December to 2nd January 2010	Quantitative research techniques for engineers and researchers	National	Participant	Department of Mechanical Engineering	NIT, Trichy
18 -30 June 2012	Logistics And Supply Chain Management For Total Business Excellence	International	Participant	Department of Industrial Engineering & Management, M.S. Ramaiah Institute of Technology	Bangalore

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

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
International Conference on Advances in Design &Manufacturing 2014"	International	05 - 07, December 2014.	Organizing Secretary	NIT, Trichy

(ICAD&M'14)				
Design and optimization of Production management systems	National	3-8 June, 2013	Convenor	NIT, Trichy
Production Processes for defense applications	National	27th May – 1st June 2013	Convenor	NIT, Trichy
Theory and practice of Lean and Agile systems	National	12 – 16 July 2010	Convenor	NIT, Trichy
Lean and Agile Manufacturing	National	7 – 11 December 2009	Convenor	NIT, Trichy
Enterprise Resource Planning	National	5th March 2008	Convenor	NIT, Trichy
Entrepreneurship Skills for Engineers	National	22nd Feb 2008	Convenor	NIT, Trichy
Laser Processing of Materials	National	6th & 7th March 2008	Convenor	NIT, Trichy
Application of IT tools in Manufacturing"	National	11th & 12th March 2008	Convenor	NIT, Trichy
LOGISTICS – The challenges ahead	National	27th & 28th Jan 2006	Convenor	VIT
ERP-Tool to improve Productivity in leather industry	National	23rd Aug 2003	Convenor	VIT
Enterprise Resource Planning and Supply Chain Management	National	Jan 2005	Convenor	VIT

18. Invited Talks delivered

Topic	Date	Inviting Organization
Work study for Executive Trainees	21-08-2006	BHEL – Trichy

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	ISTE	

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	30 days(Dec 2008 – Jan 2009)	Research Fellow at NUS, Singapore
Malaysia	June 15 – 17 , 2010	4th IEEE international symposium on information technology,
Thailand	29-31 July 2011	2nd International Conference on Mechanical and Aerospace Engineering (ICMAE 2011)
Malaysia	10 Days, 30 Nov 2012 to 10 Dec 2012	Visiting Research Fellow at UTP
Dubai	January 29-31, 2012	International Conference on Industrial Engineering (ICIE 2012)

21. Publications

 (A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
P.Parthiban	Decision Support System for the evaluation of Enterprise Resource Planning	International Journal of INGENIUM	Vol.2	pp 279-284	(2005)	
P.Parthiban	Optimizing the vendor selection process of an automobile industry using critical value analysis – A case study	International Journal of INGENIUM	Vol.2	pp 271-278	(2005)	
P.Parthiban	An Application Of Stochastic Model And Simulation Techniques For Call Centre	International Journal of Applied Management and Technology,	Vol. 5, No. 2	pp.185-194,	(2007)	

P.Parthiban	Logical approach for evaluation of supply chain alternatives	International Journal of Management and Decision Making	Vol. 9, No. 2	pp.204–223	(2008)	
P.Parthiban	Supply chain architectural framework and supplier relationship model for customer facing business,	International Journal of Electronic Customer Relationship Management,	Vol. 2, No. 4	pp.332–363	(2008)	
P.Parthiban	Bidding Process and Integrated Fuzzy Model for Global Sourcing based on Customer Preferences	International Journal of Electronic Customer Relationship Management	Vol. 3, No. 1	pp.18 -37	(2009)	
P.Parthiban	Development and Assessment of modified VIKOR Method for Multi-Criteria Single Sourcing in Supply Chain	International Journal of Business and Systems Research	, Vol.4, No.1	pp.94 -116	(2010)	
P.Parthiban	A Framework Structure for a multi-period, multi-product, bi-echelon supply chain Improvement	International Journal of Information Systems and Supply chain management,	Vol.2, No.4	pp.24 -42,	2009	
P.Parthiban	A comparative representation approach to modern heuristic search methods in a job shop	International Journal of Logistics Economics and Globalisation	Vol. 1, Nos. 3/4)	pp.396-409	2008	
P.Parthiban	Multi-phase composite analytical model for integrated allocation-routing problem application of blood bank	International Journal of Logistics Economics and Globalisation	Vol. 1, Nos. 3/4	pp.251-281	2008	

	logistics					
P.Parthiban	Artificial Intelligence Heuristic for Combinatorial Routing Problem	Journal of Information Technology Research	Vol.2, No.1	pp 19-37	2009	
P.Parthiban	An integrated model for Optimization of production-distribution inventory levels and routing Structure for a multi-period, multi-product, bi-echelon supply chain	International journal of Applied Management and Technology	, Vol. 6, No. 2	pp 153 – 178	2008	
P.Parthiban	A Hybrid Model for Sourcing Selection with Order Quantity Allocation with Multiple Objectives under Fuzzy Environment	International Journal of Applied Decision Science	Vol.2, No.3	pp 275 - 298	2009	
P.Parthiban	A Model for selection of suppliers by comparison of two clustering algorithms	International Journal of Applied Decision Science	Vol.2, No.4	pp 422 - 443	2009	
P.Parthiban	Optimization of supply chain performance using MCDM tool – a case study	International Journal of Value Chain Management	Vol.4, No.3,	pp 240 - 255,	2010	
P.Parthiban	A Hybrid Decision model for the selection of capital equipment using AHP in Conjoint analysis,	International Journal of Enterprise Network Management	Vol. 3, No. 2	pp.112– 129	2009	
P.Parthiban	Modeling of single sourcing, multi period, multi	International Journal of Enterprise	Vol. 3, No. 2	pp.165– 180	2009	

	vendor, multi buyer based VMI,	Network Management				
P.Parthiban	A heuristics to solve vehicle routing problem with mixed delivery and pick up- Application to blood bank logistics	Journal of Advances in production engineering and management	Vol.14, No.3	pp.58-67	2009	
P.Parthiban	Optimization of multiple vehicle routing Problems using approximation algorithms	International Journal of Engineering Science and Technology	Vol.1. No 2.	pp.129-135	2009	
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	Vol. 3, No. 4		2009	
P.Parthiban	Optimization of Non-Linear Multiple Traveling Salesman Problem Using K-Means Clustering, Shrink Wrap Algorithm and Meta-Heuristics	International Journal of Nonlinear Science	Vol.9, No.2	pp.171-177	2010	
P.Parthiban	A heuristic to generate input sequence for Simulated Annealing to solve VRP,	International Journal of Enterprise Network Management	Vol.4, No.1	pp 26 – 38	2010	
P.Parthiban	Balanced centroids (BC) K-means clustering algorithm to transform mTSP to TSP	International Journal of Logistics Economics and Globalisation	Vol. 2, No.3	pp.187-197	2010	
P.Parthiban	A review of evolutionary	International Journal of	Vol. 3, No. 1	pp.01 - 16,	2011	

	algorithms for multi objective multi product multi modal distribution problem with a possible new approach	Logistics Economics and Globalisation				
P.Parthiban	K-means clustering algorithm and meta-heuristics for multiple travelling salesman problems	Journal of Software Engineering	Vol.4, No.2	pp 16 – 32	2010	
P.Parthiban	An integrated model for performance management of manufacturing unit	Bench marking: An international journal,	Vol.18, No.2	pp 261 – 281	2011	SCI Journal with impact factor:1.5
P.Parthiban	Supplier selection through structural equation modeling and fuzzy logic,	Expert Systems with Applications: An International Journal	Vol.38, No.1	pp 458-474	2011	SCI Journal with impact factor:1.9
P.Parthiban	A multi-criteria decision making approach for supplier selection	Procedia Engineering	Vol.38,	pp 2312 – 2328	2012	
P.Parthiban	MASS: AN ANALYTICAL MODEL FOR ASSESSMENT OF SUPPLY CHAIN ENTITY	International Journal of Operations Research	Vol.18, No.3	pp 318 – 345	2013	SCI Journal with impact factor:1.2
P.Parthiban	Intelligent heuristics to Solve a Balanced Routing Problem in Supply Chain - A Case Study	Engineering applications of Artificial intelligence				
P.Parthiban	A multi-criteria approach based on strategic decisions,	International Journal of Production Research	Vol.51, No.13		2013	SCI Journal with impact factor:1.5
P.Parthiban	Vendor selection	International	Vol.51,	pp 1535	2012	SCI

	problem: a multi-criteria approach based on strategic decisions	Journal of Production Research	No.5	– 1548		Journal with impact factor:1.5
P.Parthiban	Leanness evaluation in 6 manufacturing MSME's using AHP and SEM techniques	International journal of Mechanical and Mechatronics Engineering	Vol.13, No.06	PP. 29 – 36	2013	
P.Parthiban	Hybrid MCDM approach for vendor ranking	Journal of Manufacturing Technology Management	Vol.24, No.6	pp 905 – 928	2013	SCI Journal with impact factor:1.5
P.Parthiban	Critical Success Factors for Implementation of Lean and Green in Medium Scale Manufacturing Industries	Applied Mechanics and Materials	Vols. 592-594	pp 2588-2595	2014	
P.Parthiban	A Comprehensive Study to Evaluate the Critical success Factors Affecting Lean concept in Indian manufacturing Industries	Applied Mechanics and Materials,	Vols. 592-594	pp 2569-2576	2014	
P.Parthiban	Evaluation of Green Supply Chain Factors using DEMATEL	Applied Mechanics and Materials	Vols. 592-594	pp 2619-2627	2014	
P.Parthiban	Analysis of supplier selection methods through conceptual module and empirical study	Int. J. Logistics Systems and Management	Vol. 18, No. 1	pp.72–99	2014	SCI Journal with impact factor:0.7
P.Parthiban	Analysis of supplier selection methods through analytical approach,	Int. J. Logistics Systems and Management	Vol. 18, No. 1,	pp.100–125	2014	SCI Journal with impact factor:0.7
P.Parthiban	Evaluation of lean manufacturing	Applied Mechanics	Vols. 592-	pp 2628-2638	2014	

	systems using MADM and Fuzzy TOPSIS	and Materials	594			
P.Parthiban	Fuzzy Quantitative Approach to prioritize Green factors in Supply Chain	Applied Mechanics and Materials	Vols. 592-594	pp 2645-2653	2014	
P.Parthiban	A Hybrid MCDM Process for the Evaluation Of The Suppliers,	International Journal for Advanced Manufacturing Technology				
P.Parthiban	Vendor Ranking Paradigm: An Integrated Hierarchical Methodology under Multiple Criteria Environment	Journal of Purchasing and Supply Management				
P.Parthiban	Artificial intelligence heuristics for modeling and optimizing a multi-modal distribution system	Wulfenia Journal,	Vol.21, No.3	pp.54-76,	2014	SCI Journal with impact factor:0.27
P.Parthiban	Optimization of multiple traveling salesman problem using meta heuristic methods	Wulfenia Journal	Vol.21, No.3	pp.115-132	2014	SCI Journal with impact factor:0.27
P.Parthiban	Prolonging the Life Time of Wireless Sensor Networks Interconnected to Fixed Network using Hierarchical Energy Tree Based Routing Algorithm	The World Scientific Journal.	, Vol. 2014,	pp.1-12	2014	SCI Journal with impact factor:1.5
R.Dhanalakshmi, T.Arunkumar and	Nature Inspired heuristic approach to balance the resource in the	Journal of Scientific and Industrial	Vol.74,	pp.77-81	2015	SCI Journal with impact

P.Parthiban	multiple distribution centers	research				factor:0.5
R.Dhanalakshmi, T.Arunkumar and P.Parthiban	Three Phase Genetic Algorithm for Shortest Path Routing in Solar Powered WSNs	Journal of Scientific and Industrial research	Vol.76	pp.23-27	2016	SCI Journal with impact factor:0.5
R.Dhanalakshmi and P.Parthiban	Applying ANP in Logistics Service Provider Selection, International Journal of Applied Engineering Research	International Journal of Applied Engineering Research	Vol. 10, No.50,	pp.617-623	2015	
R.Dhanalakshmi and P.Parthiban	Evaluating the efficiency of 3PL logistics operations using DEA,	International Journal of Applied Engineering	Vol.10, No.50,	pp.924-928	2015	
P.Parthiban	Sustainable transportation systems performance evaluation using fuzzy logic	Ecological Indicators	Vol.71, No.03	pp.503–513	2016	SCI Journal with impact factor: 3.190
R.Dhanalakshmi, A.Vadivel, and P.Parthiban	Ant Mobility Model In Wireless Networks Using Network Simulator	Journal of Scientific and Industrial research	Accepted for publication		2017	SCI Journal with impact factor:0.5

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page	Theme	Venue	Year
P.Parthiban	Genetic algorithm to solve power flow problems	Annual Conference, The society of operations management,			IIM Kozhikode	20 - 22 Dec 2002.
P.Parthiban	Decision Making for Communications Networks using Analytic	7th Annual International Conference of the Society of Operations			IIM, Indore	19 - 21 Dec, 2003

	Hierarchy Process	Management				
P.Parthiban	Compassion of nearest neighbour heuristic and analytic hierarchy process for Drug Distribution	7th Annual International Conference of the Society of Operations Management			IIM, Indore	19 - 21 Dec, 2003.
P.Parthiban	Optimization of Production – Distribution Inventory Levels and Routing Structure in a two stage Supply Chain using Genetic Algorithms	6th International Conference of the Association of Asia Pacific Operational Research Societies within IFORS			IIT Delhi	8th - 11th December 2003.
P.Parthiban	Achieving Success in Supply Chain Performance: Lean Principles	6th International Conference of the Association of Asia Pacific Operational Research Societies within IFORS.			IIT Delhi	8th - 11th December 2003
P.Parthiban	Evaluation of supply chain alternatives using analytic hierarchy process, at Supply Chain Seminar	International Conference on Logistics "Unlocking Supply Chain Potential,			Queensl and Universi ty of Technol ogy, Brisbane Australia	10-11 June 2004.
P.Parthiban	Research Perspectives in Measuring the Performance of Supply Chain Entity	Proceedings of the International Conference on Responsive Supply Chain and Organizational Competitiveness			CIT Coimbat ore	5th - 7th Jan 2004.

P.Parthiban	Comparison of evolutionary algorithms for optimization of production planning	International Conference on Responsive Supply Chain and Organizational Competitiveness (RSC – 2004)			CIT Coimbat ore	5th - 7th Jan 2004.
P.Parthiban	Decision Making Model for Timetabling Problem	International conference on soft computing			Bharath Universi ty, Chennai	28 - 29 May, 2004.
P.Parthiban	Preference based decision making (PDM) model for faculty-course assignment problem	Proceedings of the International Engineering Management Conference			Pan Pacific Hotel, Singapor e	18 – 21 Oct 2004.
P.Parthiban	Composite Value Index (CVI) for Performance Measurement of a System An Intuitive Method	International Conference on Manufacturing and Management (GCMM			Vellore Institute of Technol ogy, Vellore,	2004
P.Parthiban	Evaluation of Health Care Quality based on Hospital Resource Performance and Customer Service Preferences Using Analytic Hierarchy Process,	International Conference on Manufacturing and Management (GCMM)			Vellore Institute of Technol ogy, Vellore	2004
P.Parthiban	Decision Support System for the evaluation of Enterprise Resource Planning	Proceedings of the International Conference - CORS & FOF			Poland	July 2005
P.Parthiban	Optimizing the vendor selection process of an	International Conference - CORS & FOF.			Poland	July 2005

	automobile industry using critical value analysis – A case study					
P.Parthiban	VPC: Decision making model for performance measurement in supply chain	International Conference on Services Management,			IIMT, Gurgaon jointly with Oxford Brookes University, UK.	March 11-12, 2005
P.Parthiban	Goal Programming for Multi Criteria Distribution Problem	International Conference on Quality, Innovation and Knowledge			Monash University, Australia	2005
P.Parthiban	Optimization of machining conditions on composites using Genetic Algorithm	International conference on global manufacturing and innovation			CIT, Coimbatore	27-29 July 2006
P.Parthiban	A SCM framework that describes CRM, WorldComp08, EEE08	International conference on world congress in computer science computer engineering and applied computing			Las Vegas, USA	14-17 July,2008, pp. 455-460.
P.Parthiban	Genetic algorithm to solve power flow problems	Annual Conference, The society of operations management,			IIM Kozhikode	20 - 22 Dec 2002.
P.Parthiban	Decision Making for Communications Networks using Analytic Hierarchy Process	7th Annual International Conference of the Society of Operations Management			IIM, Indore	19 - 21 Dec, 2003
P.Parthiban	Compassion of	7thAnnual			IIM,	19 - 21

	nearest neighbour heuristic and analytic hierarchy process for Drug Distribution	International Conference of the Society of Operations Management			Indore	Dec, 2003.
P.Parthiban	Optimization of Production – Distribution Inventory Levels and Routing Structure in a two stage Supply Chain using Genetic Algorithms	6th Int. Conf. of the Association of Asia Pacific Operational Research Societies within IFORS			IIT Delhi	8th - 11th December 2003.
P.Parthiban	Achieving Success in Supply Chain Performance: Lean Principles	6th International Conference of the Association of Asia Pacific Operational Research Societies within IFORS.			IIT Delhi	8th - 11th December 2003
P.Parthiban	Evaluation of supply chain alternatives using analytic hierarchy process, at Supply Chain Seminar	International Conference on Logistics "Unlocking Supply Chain Potential			Q U T, Brisbane Australia	10-11 June 2004
P.Parthiban	Research Perspectives in Measuring the Performance of Supply Chain Entity, held at	International Conference on Responsive Supply Chain and Organizational Competitiveness (RSC – 2004)			CIT Coimbatore	5th - 7th Jan 2004.
P.Parthiban	Comparison of evolutionary algorithms for optimization of	International Conference on Responsive Supply Chain and			CIT Coimbatore	5th - 7th Jan 2004.

	production planning	Organizational Competitiveness (RSC – 2004)				
P.Parthiban	Decision Making Model for Timetabling Problem	International conference on soft computing			Bharath University Chennai	28 - 29 May, 2004
P.Parthiban	Preference based decision making (PDM) model for faculty-course assignment problem	International Engineering Management Conference			Pan Pacific Hotel, Singapore (IEEE transaction)	18 – 21 oct, 2004
P.Parthiban	Composite Value Index (CVI) for Performance Measurement of a System An Intuitive Method	International Conference on Manufacturing and Management (GCMM)			Vellore Institute of Technology, Vellore,	2004
P.Parthiban	Evaluation of Health Care Quality based on Hospital Resource Performance and Customer Service Preferences Using Analytic Hierarchy Process	International Conference on Manufacturing and Management (GCMM)			Vellore Institute of Technology Vellore,	2004
P.Parthiban	Decision Support System for the evaluation of Enterprise Resource Planning	International Conference - CORS & FOF			Poland	July 2005
P.Parthiban	Optimizing the vendor selection process of an automobile industry using critical value	International Conference - CORS & FOF			Poland	July 2005

	analysis – A case study					
P.Parthiban	Goal Programming for Multi Criteria Distribution Problem	International Conference on Quality, Innovation and Knowledge			Monash University, Australia	2005.
P.Parthiban	Optimization of machining conditions on composites using Genetic Algorithm	International conference on global manufacturing and innovation			CIT, Coimbatore	27-29 July 2006
P.Parthiban	A SCM framework that describes CRM, WorldComp08, EEE08,	international conference on world congress in computer science computer engineering and applied computing	pp. 455-460		2008, Las Vegas, USA,.	July 14-17,2008 ,
P.Parthiban	Multi – Criteria decision making in supplier selection using VIKOR and ELECTRE methods	sixth International Conference on Manufacturing Research,	*pp.779-792, (*		*London,*	*(2008).*
P.Parthiban	OPTIMIZATION OF SUPPLY CHAIN PERFORMANCE USING MCDM TOOL - A Case Study	International Conference on Supply chain management and information systems	, pp.439-449		India,	(2008).
P.Parthiban	A heuristic to generate input sequence for Simulated Annealing to solve VRP	International Conference on supply chain management and Information systems	pp 588 – 594		NIT, Trichy during	december 2008,
P.Parthiban	Balanced centroids(BC) K-means clustering algorithm to transform	International Conference on Operations Research Applications in			Anna University, Trichy	May 27 – 29, 2009

	mTSP to TSP	Engineering and Management				
P.Parthiban	A review of evolutionary algorithms for multi objective multi product multi modal distribution problem with a possible new approach	International Conference on Operations Research Applications in Engineering and Management			Anna University, Trichy	May 27 – 29, 2009
P.Parthiban	A simulated annealing approach to solve fuzzy multi-objective linear model for supplier selection in a supply chain	4th IEEE international symposium on information technology	PP 44 – 49		Malaysia	June 15 – 17 , 2010,
P.Parthiban	A model for supplier selection using ANP	10th International conference on operations and quantitative management	pp 808-814		Symbiosis, Nashik	June 28-30, 2011,
P.Parthiban	A Model for Supplier Selection using Analytic Network Process	Tenth International Conference On Operations And Quantitative Management (ICOQM -10)			Symbiosis, Nashik,	28-30 June - 2011
P.Parthiban	Designing A Decision Support System to Evaluate and Select Suppliers Using Discriminant Analysis – A Case Study In Automotive Industry	26th Indian Engineering Congress			Banglore, The Institution of Engineers (India)	16-18 December 2011,
P.Parthiban	Analysis of Vehicle Routing Problem With	International Conference on Advances in Supply Chain and			IIT, Kharagpur.	December 16 - 18, 2011,

	Pickup And Deliveries Using Sheep Flock Heredity Algorithm	Manufacturing Management, (ASCMM 2011)				
P.Parthiban	Supplier Selection Using Modified Interpretive Structural Modeling	International Conference on Advances in Supply Chain and Manufacturing Management, (ASCMM 2011)			IIT, Kharagpur	December 16 - 18, 2011
P.Parthiban	A VIKOR Multiple-Attribute Decision Method for Improving Supply Chain Leanness	International Conference on Quality and Reliability Engineering (ICQRE 2011)			Indian Statistical Institute, Bangalore	20 – 22 December 2011
P.Parthiban	A multi criteria decision making for computer server product by using TOPSIS methodology	International Conference on Industrial Engineering (ICIE 2012)			WASET, Dubai	January 29-31, 2012
P.Parthiban	A Multi Criteria Decision Making Approach for Suppliers Selection	, International Conference on Modeling, Optimization And Computing (ICMOC2012)			Noorul Islam University, Nagercoil	April 10 -12, 2012
P.Parthiban	An integrated group decision-making process for supplier selection	International Conference on Engineering Technology and Management			WAIRCO, Tirupathi, A.P, India	September 7-8, 2012,
P.Parthiban	A simple warehouse location problem using Hub model	International Conference on Production and Industrial Engineering (CPIE 2013)			NIT Jalandhar- India	March 29-31, 2013
P.Parthiban	An Integrated Multi-Objective Decision	International Conference on			NIT, Jalandhar-	March 29-31,

	Making Process for Supplier selection	Production and Industrial Engineering (CPIE 2013)			India	2013
P.Parthiban	Drivers Affecting Eco Design in Supply Chain	Second International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014)	PP. 54 – 60		Anna University, Chennai	January 6-8, 2014,
P.Parthiban	Application of RQFD in Evaluating Green Supply Chain Management,	Second International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014)	PP. 61 – 69		Anna University, Chennai	January 6-8, 2014,
P.Parthiban	A Comprehensive review in the Measures and Metrics of Sustainable Supply chain	Second International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014)	PP. 180 – 185		Anna University, Chennai	January 6-8, 2014,
P.Parthiban	Evaluating the Efficiency of 3PL Logistics Operations using DEA	International Conference on Advances in Design and Manufacturing (ICAD'M 2014),	pp. 487-490		NIT, Trichy	December 5-7 2014,
P.Parthiban	An Integrated Model for Selection of 3PL Provider Using Fuzzy Topsis	International Conference on Advances in Design and Manufacturing (ICAD'M 2014),	pp. 491-496		NIT Trichy	December 5-7 2014
P.Parthiban	Genetic Algorithm to Solve a Common Depot and Multiple Customers based Vehicle	International Conference on Advances in Design and Manufacturing (ICAD'M 2014),	pp. 1183 - 1187		NIT Trichy	December 5-7 2014,

	Routing Problem					
P.Parthiban	Ant Colony Optimization Algorithm to Solve a Vehicle Routing Problem	International Conference on Advances in Design and Manufacturing (ICAD'M 2014),	pp. 1188 - 1192		NIT Trichy	December 5-7 2014,
P.Parthiban	Green Supply Chain Performance Evaluation Model by Integrating Fuzzy AHP and Fuzzy VIKOR Methods	International Conference on Advances in Design and Manufacturing (ICAD'M 2014)	pp.1 193-1200		NIT Trichy	December 5-7 2014,
P.Parthiban	Implementation and Evaluation of Lean and Green Manufacturing in Indian Industries	International Conference on Advances in Design and Manufacturing (ICAD'M 2014),	pp. 1235 - 1240		NIT Trichy	December 5-7 2014,
P.Parthiban	Integrated Supply Chain Performance Measurement Techniques - A Review	International Conference on Advances in Design and Manufacturing (ICAD'M 2014),	pp. 1588 - 1603		NIT Trichy	December 5-7 2014,
P.Parthiban	A Fuzzy Dematel Approach for the Optimization Blood Banks",	International Conference on Advances in Design and Manufacturing (ICAD'M 2014)	pp. 1663 - 1667		NIT Trichy	December 5-7 2014,
P.Parthiban	Optimization of Public Blood Supply Chain – A Dematel Approach	International Conference on Advances in Design and Manufacturing (ICAD'M 2014)	pp. 1668 - 1673		NIT Trichy	December 5-7 2014,
P.Parthiban	AN ASSESSMENT OFSUSTAINAB LE SUPPLY CHAIN USING	5th International & 26th All India Manufacturing Technology, Design and	pp. 3241 - 3246		IIT Guwah ati, India	December 12– 14, 2014,

	MCDM	Research Conference (AIMTDR 2014)				
P.Parthiban	Finger print sensor using MEMS	the National Conference on Modelling and Analysis of Production Systems			NIT Trichy	22nd to 23rd Jan 2004.
P.Parthiban	Nanorobotics	National Conference on Modelling and Analysis of Production Systems			NIT Trichy	22nd to 23rd Jan 2004.
P.Parthiban	Silicon as a MEMS material	National Conference on Modelling and Analysis of Production Systems			NIT Trichy	22nd to 23rd Jan 2004.
P.Parthiban	Quality detection and assurance using embedded systems	National Conference on MEMS and Nanotechnology			VIT Vellore	28th Feb to 1st March 2003.
P.Parthiban	An analytic approach for the evaluation of ERP and Supply chain alternatives	National conference on RTME,			Saranathan college of Engineering, Trichy	10th Feb 2007
P.Parthiban	Exploring the decision criteria in product procurement of supply chain management	National conference on Factory automation and soft computing,			NIT, Warangal	2007
P.Parthiban	Electronic – Supply chain management,	National conference on Factory automation and soft computing,			NIT, Warangal	2007
P.Parthiban	Supplier selection using K-mean clustering	National conference on emerging trends in industrial			NIT, Calicut	July 11-12, 2011

	algorithm and discriminant analysis, held	engineering and management				

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
P.Parthiban	"Hybrid Artificial Intelligence Heuristics and Clustering Algorithm for Combinatorial Asymmetric Traveling Salesman Problem" as a book chapter for the book entitled "Utilizing Information Technology Systems Across Disciplines: Advancements in the Application of Computer Science"			ISBN: 978-1-60566-616-7, IGI Global publications, USA
P.Parthiban	Decision Support System for prioritizing the profitable customers in a supply chain and for setting internal supply chain service standards", as a book chapter for the book entitled "Efficient Decision Support Systems: Practice and Challenges – From Current to Future / Book 2"			ISBN 978-953-307-441-2, In Tech Publications, UK