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

Examination	Board / University	Year	Division/ Grade	Subjects
Bachelor's Degree	Bharathiar University, Coimbatore	First Class with Distinction	85.15%	Mechanical Engineering
Master's Degree	Anna University, Chennai	First Class with Distinction	9.77 CGPA	Production Engineering
Ph.D. Degree	Anna University, Chennai	-	10 CGPA	Mechanical Engineering
High School	SSBM Matric Higher Secondary School, Salem	First Class	92.92%	Maths, Physics, Chemistry, Biology

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Staff Advisor	Department B.Tech. (Production Engineering)	June 2009	June 2012
Associate Dean (Faculty Welfare)	Institution	October 2012	April 2014
Staff Advisor	Entrepreneurship Cell	August 2011	May 2014
Staff Advisor	Department M.Tech. (Industrial Engineering & Management)	August 2012	June 2014
Staff Advisor	Department B.Tech. (Production Engineering)	July 2014	Till Date
Warden	Institute – Diamond and Jade Hostels	29.7.2016	Till Date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Doctoral Committee Member	Anna University, Chennai	2009	Till Date
Examiner for Thesis Evaluation	Anna University, Chennai	2011	Till Date

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11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2016	Highly Commended paper award	Emerald Publishers, UK
2013	Institution of Engineers Young Engineer Award	Institution of Engineers (India), Kolkata
2011	OUTSTANDING paper award	Emerald Publishers, UK
2010	Innovative Student Project Award	Indian National Academy of Engineering, New Delhi
2009	Highly Commended paper award	Emerald Publishers, UK

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2008	National Doctoral Fellowship	AICTE, New Delhi	December 2006	October 2008

13. Details of Academic Work

(i) Curriculum Development

- Introduced courses on Lean Manufacturing, Sustainable Manufacturing, Product Development at Undergraduate level
- Introduced courses on Lean and Agile Manufacturing, Sustainable Manufacturing at Post Graduate level

(ii) Courses taught at Postgraduate and Undergraduate levels

Post Graduate Level

- Lean and Agile Manufacturing
- Rapid Manufacturing Laboratory

Undergraduate Level

- Lean Manufacturing
- Sustainable Manufacturing
- Product Development Strategies
- Design for Manufacture & Assembly
- Production Drawing & Cost Estimation

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(iii) Projects guided at Postgraduate level

Number of P.G. Projects guided as main guide: 17

S. No	Project Title	Name	Course	Month & Year
1	Design and development of supply chain agility assessment model for a manufacturing organization	Deepak Kumar	Industrial Engineering	May 2009
2	Integration of ECQFD and LCA for enabling sustainability in an electric vehicle manufacturing organization	GopinathRathod	Industrial Engineering	May 2010
3	Multi criterion decision making in lean manufacturing	Vasanth Kumar S	Industrial Engineering	May 2011
4	Integration of Environmental Concerns in QFD	Dino Joy	Industrial Engineering	May 2011
5	Exploration of Lean Tools/Techniques for facilitating sustainability	Vimal K E K	Industrial Engineering	May 2012
6	Application of integrated MCDM methods for sustainable supplier selection	JeyaGirubha R.	Industrial Engineering	May 2012
7	An integrated approach for product development of automotive mirrors	Kamala V.	Industrial Engineering & Management	May 2013
8	Sustainability improvement through material selection	Shama, M.S.	Industrial Engineering & Management	May 2013
9	Exploration of Kaizen practices to ensure lean remanufacturing performance in an organization	Manjunatheshwara, K.J.	Industrial Engineering & Management	May 2014
10	Modelling and Performance measurement of agile system incorporated with sustainability characteristics	Adarsh Kumar Singh	Industrial Engineering & Management	May 2014
11	Sustainable product development through life cycle assessment	Vamsi Krishna K	Industrial Engineering & Management	May 2014
12	Implementation study on Sustainable Value Stream Mapping integrated with decision making	Radhul B	Industrial Engineering & Management	May 2015
13	Lean Six Sigma Project selection and Implementation	VikasSwarnakar	Industrial Engineering & Management	May 2015

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S. No	Project Title	Name	Course	Month & Year
14	Development of a framework for integrated Lean and Sustainable Product development	Chethan Kumar A.G.	Industrial Engineering & Management	May 2015
15	Development of Cost Configurator using DFM principle for a gas turbine component	Ramesh K	Industrial Engineering & Management	May 2016
16	A framework for implementing Sustainable Manufacturing practices in a SME	Arun C S	Industrial Engineering & Management	May 2016
17	Fuzzy QFD integrated Decision Support System for cloud manufacturing performance evaluation	Vishal Ashok Wankhede	Industrial Engineering & Management	May 2016

Number of P.G. Projects guided as co-guide 3

S. No	Project Title	Name	Course	Month & Year
1	Development of supplier selection model and order quantity estimation	Sandeep M	Industrial Engineering	May 2009
2	Agile product development through CAD/CAE/CAM technologies	Praveen Thirumalasetty	Manufacturing Technology	May 2010
3	Lean manufacturing implementation in a manufacturing organization	Suresh Kumar Chintha	Manufacturing Technology	May 2010

(iv) Other contribution(s)

Coordinated with Head of the Department for Annual Report preparation during the academic years 2012, 2013, 2014 and NBA activities for B.Tech. (Production Engineering) during 2013-14. Coordinated Production Engineering Association activities during 2011-12 and 2016-17.

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Development of a model for ensuring sustainable product design in automotive organizations (Rs 11.9 Lakhs)	DST, New Delhi	2010	2013	Completed

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Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Decision Support System for measuring agile characteristics (Rs 7.5 Lakhs)	CSIR, New Delhi	2010	2013	Completed
Exploration of lean tools/techniques enabling sustainability in automotive organizations (Rs 15.42 Lakhs)	SERB, New Delhi	2014	2017	Ongoing

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
K Jayakrishna	Investigations on sustainable product development approach in automotive organizations	Supervisor	July 2014
Aravind raj, S.	Investigations on agility assessment studies in manufacturing organizations	Supervisor	July 2014
Vimal KEK	Investigations on sustainability characteristics evaluation of a Welding, Casting, Injection moulding and Rapid Prototyping processes	Supervisor	March 2016

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, Any other)	Event Organized by	Venue
June 29- July 11, 2009.	AICTE- MHRD Sponsored Faculty Development Programme on 'Applied Mechanical Measurements'	National	Participant	Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli	NITT
July 13- 24, 2009	AICTE- MHRD Sponsored	National	Participant	Department of Production Engineering,	NITT

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Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
	Faculty Development Programme on 'Composite Materials: Processing Challenges and Opportunities'			National Institute of Technology, Tiruchirappalli	
December 21, 2009 - January 2, 2010	AICTE-MHRD Sponsored Staff Development Programme on 'Quantitative Research Techniques for Engineers and Researchers	National	Participant	Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli	NITT
January 5-10, 2009	Induction Training Program on "Instructional Design and Delivery" (QIP)	National	Participant	National Institute of Technical Teachers Training & Research, Chennai.	NITTTR Chennai
September 3-7, 2012	AICTE Sponsored Short Term Course on "Optimization for Engineering Design"	National	Participant	Department of Engineering Design, IIT Madras	IIT Madras
June 15-16, 2012	All India Seminar on Emerging Trends and Future	National	Participant	Institution of Engineers (India), Tamil Nadu State Centre,	IE(I) TSC Chennai

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Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
	Perspective in Automobile Industry			Chennai	
March 22, 2013	One Day Workshop on Curriculum Development in Production Engineering	National	Participant	Institution of Engineers (India), Tamil Nadu State Centre and Department of Production Engineering, NITT	IE(I) TLC and NITT
October 28 to 31, 2013	Undergone a Study & Networking Tour under TEQIP at	National	Participant	Centre for Sustainable Manufacturing and Recycling Technologies (SMART) at Wolfson School of Mechanical and Manufacturing Engineering, Loughborough University, UK	Loughborough University, UK

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
AICTE-QIP Sponsored Short Term Course on Lean and Agile Manufacturing	National	December 7-11, 2009.	Coordinator	NITT

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Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
AICTE-QIP Sponsored Short Term Course on Theory and Practice of Lean and Agile Systems	National	July 12-16, 2010.	Coordinator	NITT
Workshop on Innovative Product Design and Rapid Manufacturing Strategies	National	April 12-13, 2012	Coordinator	NITT
Workshop on Rapid Prototyping and Tooling Techniques	National	March 8-9, 2013	Coordinator	NITT
Workshop on Sustainable Manufacturing under TEQIP	National	July 18-19, 2013.	Coordinator	NITT
Workshop on Agile Manufacturing	National	March 28-29, 2014	Coordinator	NITT
Short Term Course on Responsive and Sustainable Product Development Strategies	National	March 27-28, 2015	Coordinator	NITT
National Workshop on Rapid Manufacturing & 3D Printing	National	April 22-23, 2016	Coordinator	NITT
GIAN course titled 'Fundamentals and Advancements of Lean Manufacturing and Six Sigma' during	International	July 25-30, 2016	Coordinator	NITT

18. Invited Talks delivered

Topic	Date	Inviting Organization
Swatch Bharat and Sundar Bharat through Lean and Sustainable Manufacturing	January 27, 2016	Foundation day celebration of IIIE BHEL Trichy
Agile Manufacturing	March 11, 2016	Faculty Development Programme (FDP) on "Engineering optimization techniques and modern manufacturing concepts" GCE Salem

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Delivered a key note lecture titled "Sustainable Product Design Model"	November 12, 2011	International Conference on Sustainable Manufacturing: Issues, Trends and Practices (ICSM 2011) held at Birla Institute of Technology and Science (BITS) Pilani,
Delivered a key note lecture titled "Modelling and Evaluation of agile systems"	December 19, 2012	International Conference on Agile Manufacturing (ICAM 2012) held at Indian Institute of Technology – Banaras Hindu University, Varanasi

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Indian Institution of Industrial Engineering	MIIE 9020 w.e.f.1.10.2009
Life Associate Member	Institution of Engineers (India)	AM 141394-8 w.e.f.6.1.2011
Life Member	Indian Society for Technical Education	LM 101341 w.e.f.2014

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	February 26-28, 2012	For attending International Conference on Manufacturing and Industrial Engineering (ICMIE 2012)
United Kingdom	October 28 to 31, 2013	Undergone a Study & Networking Tour under TEQIP at Centre for Sustainable Manufacturing and Recycling Technologies (SMART) at Wolfson School of Mechanical and Manufacturing Engineering, Loughborough University, UK

21. Publications

(A) Refereed Research Journals:

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S.No	Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
1.	S.Vinodh , G.Sundararaj, S.R.Devadasan and D.Rajanayagam	TADS-ABC: A system for costing Total Agile Design System	<i>International Journal of Production Research</i>	47 (24)	6941–6966	2009	1.693
2.	S.Vinodh , G.Sundararaj, S.R.Devadasan, D.Kuttalingam and D.Rajanayagam	Agility through rapid prototyping technology in a manufacturing environment using a 3D printer	<i>Journal of Manufacturing Technology Management</i>	20 (7)	1023-1041	2009	
3.	S.Vinodh , S.R.Devadasan and C.Shankar	Design agility through Computer Aided Design	<i>Journal of Engineering, Design and Technology</i>	8 (1)	94-106	2009	
4.	S.Vinodh , G.Sundararaj, S.R.Devadasan, D.Kuttalingam and D.Rajanayagam	Amalgamation of Mass Customisation and Agile Manufacturing concepts: The theory and implementation study in an electronics switches manufacturing company	<i>International Journal of Production Research</i>	48 (7)	2141-2164	2010	1.693
5.	S.Vinodh , G.Sundararaj and S.R.Devadasan	Measuring Organisational agility before and after implementation of TADS	<i>International Journal of Advanced Manufacturing Technology</i>	47 (5-8)	809-818	2010	1.568
6.	S.Vinodh and GopinathRathod	Integration of ECQFD and LCA for sustainable product design	<i>Journal of Cleaner Production</i>	18 (8)	833-842	2010	4.959
7.	S.Vinodh	Improvement of agility and sustainability: A case study in an Indian rotary switches manufacturing organisation	<i>Journal of Cleaner Production</i>	18 (10-11)	1015-1020	2010	4.959

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8.	S.Vinodh , S.R.Devadasan, B.Vasudeva Reddy and Kusuma Ravichand	Agility index measurement using multi-grade fuzzy approach integrated in a 20 criteria agile model	<i>International Journal of Production Research</i>	48 (23)	7159–7176	2010	1.693
9.	S.Vinodh , S.G.Gautham, Anesh Ramiya,R. and D.Rajanayagam	Application of Fuzzy Analytic Network Process for agile concept selection in a manufacturing organisation	<i>International Journal of Production Research</i>	48 (24)	7243–7264	2010	1.693
10.	S.Vinodh and Gopinath Rathod	Application of QFD for enabling environmentally conscious design in an Indian rotary switches manufacturing organization	<i>International Journal of Sustainable Engineering</i>	3 (2)	95-105	2010	
11.	S.Vinodh	Sustainable product design using CAD: a case study in an Indian rotary switches manufacturing organisation	<i>International Journal of Sustainable Engineering</i>	3 (3)	181-188	2010	
12.	S.Vinodh , K.R.Arvind and M. Somanaathan	Application of Value Stream Mapping in an Indian Camshaft manufacturing organization	<i>Journal of Manufacturing Technology Management</i>	21 (7)	888-900	2010	
13.	S.Vinodh and D.Rajanayagam	CAD and DFM: Enablers of Sustainable Product Design	<i>International Journal of Sustainable Engineering</i>	3 (4)	292–298	2010	
14.	S.Vinodh and Suresh Kumar Chintha	Leanness Assessment using Multi-grade Fuzzy approach	<i>International Journal of</i>	49 (2)	431-445	2011	1.693

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			<i>Production Research</i>				
15.	S.Vinodh, R. Anesh Ramiyaand S.G.Gautham,	Application of fuzzy analytic network process for supplier selection in a manufacturing organisation	<i>Expert Systems with Applications</i>	38 (1)	272-280	2011	2.981
16.	S.Vinodh	Environmental Conscious product design using CAD and CAE	<i>Clean Technologies and Environmental Policy</i>	13 (2)	359-367	2011	1.934
17.	S.Vinodh and Gopinath Rathod	Application of ECQFD for enabling environmentally conscious design and sustainable development in an Electric Vehicle	<i>Clean Technologies and Environmental Policy</i>	13 (2)	381-396	2011	1.934
18.	S.Vinodh and S.R. Balaji	Fuzzy Logic Based Leanness Assessment and its Decision Support System	<i>International Journal of Production Research</i>	49 (13)	4027-4041	2011	1.693
19.	S.Vinodh, K.R.Arvind and M. Somaanathan	Tools and Techniques for enabling sustainability through lean initiatives	<i>Clean Technologies and Environmental Policy</i>	13 (3)	469-479	2011	1.934
20.	S.Vinodh	Assessment of sustainability using multi-grade fuzzy approach	<i>Clean Technologies and</i>	13 (3)	509-515	2011	1.934

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S.No	Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
			<i>Environmental Policy</i>				
21.	S.Vinodh and K.Jayakrishna	Environmental impact minimisation in an automotive component using alternative materials and manufacturing processes	<i>Materials and Design</i>	32 (10)	5082-5090	2011	3.997
22.	S.Vinodh , N.HariPrakash and K. EazhilSelvan	Evaluation of Leanness using Fuzzy Association Rules Mining	<i>International Journal of Advanced Manufacturing Technology</i>	57 (1)	343-352	2011	1.568
23.	S.Vinodh , S.G.Gautham and R. Anesh Ramiya	Implementing Lean Sigma Framework in an Indian automotive valves manufacturing organization: A case study	<i>Production Planning and Control</i>	22 (7)	708–722	2011	1.532
24.	S.Vinodh , and Suresh Kumar Chintha	Application of Fuzzy QFD for enabling agility in a manufacturing organization: A case study	<i>The TQM Journal</i>	23 (3)	343-357	2011	
25.	M.Sandeep, S.Kumanan and S.Vinodh	Supplier selection using combined AHP and GRA for a pump manufacturing industry	<i>International Journal of Logistics Systems and Management</i>	10 (1)	40-52	2011	
26.	S.Vinodh , K.Jayakrishna and Dino Joy	Environmental impact assessment of an automotive component using eco-indicator and CML methodologies	<i>Clean Technologies and Environmental Policy</i>	14 (2)	333-344	2012	1.934
27.	S.Vinodh and Dino Joy	Structural Equation modelling of sustainable manufacturing practices	<i>Clean Technologies</i>	14 (1)	79-84	2012	1.934

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			<i>and Environment Policy</i>				
28.	S.Vinodh , M. Prasanna and S.Manoj	Application of analytical network process for the evaluation of sustainable business practices in an Indian relays manufacturing organization	<i>Clean Technologies and Environmental Policy</i>	14 (2)	309-317	2012	1.934
29.	S.Vinodh , S. Aravind Raj, BalaPushkar and Sanjay Kishore	Estimation of reliability and validity of agility constructs using structural equation modelling	<i>International Journal of Production Research</i>	50 (23)	6737-6745	2012	1.693
30.	S.Vinodh and S.Aravindraaj	Agility Evaluation using the IF-THEN approach	<i>International Journal of Production Research</i>	50 (24)	7100-7109	2012	1.693
31.	S.Vinodh and R. Jeya Girubha	Sustainable Concept Selection using ELECTRE	<i>Clean Technologies and Environmental Policy</i>	14 (4)	651-656	2012	1.934
32.	S.Vinodh , V. Uday Kumar, and R. Jeya Girubha	Thirty-criteria-based agility assessment: a case study in an Indian pump manufacturing organisation	<i>International Journal of Advanced Manufacturing Technology</i>	63 (9-12)	915-929	2012	1.568

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S.No	Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
33.	K.E.K.Vimal and S.Vinodh	Leanness evaluation using IF-THEN rules	<i>International Journal of Advanced Manufacturing Technology</i>	63 (1)	407–413	2012	1.568
34.	S.Vinodh , S.Vasanth Kumar and K.E.K.Vimal	Implementing Lean Sigma in an Indian rotary switches manufacturing organisation	<i>Production Planning and Control</i>	25 (4)	288-302	2012	1.532
35.	S.Vinodh , K.R.Shivraman and S.Viswesh	AHP-based lean concept selection in a manufacturing organization	<i>Journal of Manufacturing Technology Management</i>	23 (1)	124-136	2012	
36.	S.Vinodh , S.R.Devadasan, K.E.K.Vimal and Deepak Kumar	Design of agile supply chain assessment model and its case study in an Indian automotive components manufacturing organization	<i>Journal of Manufacturing Systems</i>	32 (9-12)	620-631	2013	2.240
37.	S.Aravindraj, A.Sudheer, S.Vinodh and G.Anand	A mathematical model to evaluate the role of agility enablers and criteria in a manufacturing environment	<i>International Journal of Production Research</i>	51 (19)	5971-5984	2013	1.693
38.	S.Vinodh , V. Kamala and K. Jayakrishna,	Integration of ECQFD, TRIZ, and AHP for innovative and sustainable product development	<i>Applied Mathematical Modelling</i>	38 (11-12)	2758–2770	2013	2.291
39.	S.Vinodh , S.Sarangan and S.ChandraVinoth	Application of fuzzy compromise solution method for fit concept selection	<i>Applied Mathematical Modelling</i>	38 (3)	1052-1063	2014	2.291

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40.	S.Vinodh , K. Jayakrishna, Vishwajeet Kumar and Ranajyoti Dutta	Development of Decision Support System for sustainability evaluation: a case study	<i>Clean Technologies and Environmental Policy</i>	16 (1)	163-174	2014	1.934
41.	P. Rajiv, R. Logesh, Sekar Vinodh and D.Rajanayagam	Financial feasibility and value engineering principles integrated quality function deployment for a manufacturing organization : A Case Study	<i>Journal of Engineering, Design and Technology</i>	12 (1)	71-88	2014	
42.	S. Vinodh , Sakthi Nagaraj , Jeya Girubha	Application of Fuzzy VIKOR for selection of rapid prototyping technologies in an agile environment	<i>Rapid Prototyping Journal</i>	20 (6)	523-532	2014	1.352
43.	S. Vinodh , M. Prasanna , N. Hari Prakash	Integrated Fuzzy AHP–TOPSIS for selecting the best plastic recycling method: A case study	<i>Applied Mathematical Modelling</i>	38 (19-20)	4662–4672	2014	2.291
44.	Sakthivel Aravindraj, S Vinodh	Forty criteria based agility assessment using scoring approach in an Indian relays manufacturing organization	<i>Journal of Engineering, Design and Technology</i>	12 (4)	507-518	2014	
45.	S Vinodh , S Vasanth Kumar, KEK Vimal	Implementing lean sigma in an Indian rotary switches manufacturing organisation	<i>Production Planning & Control</i>	25 (4)	288-302	2014	1.532
46.	P Senthil, S Vinodh , Adarsh Kumar Singh	Parametric optimisation of EDM on Al-Cu/TiB2 in-situ metal matrix composites using TOPSIS	<i>International Journal of Machining and</i>	16 (1)	80-94	2014	

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		method	<i>Machinability of Materials</i>				
47.	S Vinodh , Adithya Patil, TS Sai Balagi, P Sundara Natarajan	AHP-PROMETHEE integrated approach for agile concept selection	<i>International Journal of Services and Operations Management</i>	18 (4)	449-467	2014	
48.	S Vinodh , K Jayakrishna, Vishwajeet Kumar, Ranajyoti Dutta	Development of decision support system for sustainability evaluation: a case study	<i>Clean Technologies and Environmental Policy</i>	16 (1)	163-174	2014	1.934
49.	Sonu Rajak, S. Vinodh	Application of fuzzy logic for social sustainability performance evaluation: a case study of an Indian automotive component manufacturing organization	<i>Journal of Cleaner Production</i>	108 Part A	1184-1192	2015	4.959
50.	S Vinodh , Vikas Swarnakar	Lean Six Sigma project selection using hybrid approach based on fuzzy DEMATEL–ANP–TOPSIS	<i>International Journal of Lean Six Sigma</i>	6 (4)	313 - 338	2015	
51.	Mohanraj, R., M. Sakthivel, S. Vinodh , and K. E. K. Vimal.	A framework for VSM integrated with Fuzzy QFD	<i>The TQM Journal</i>	27 (5)	616-632	2015	

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52.	Vinodh, S. , T. Selvaraj, Suresh Kumar Chintha, and Vimal KEK.	Development of value stream map for an Indian automotive components manufacturing organization.	<i>Journal of Engineering, Design and Technology</i>	13 (3)	380-399	2015	
53.	KEK Vimal, S Vinodh , A Raja	Optimization of process parameters of SMAW process using NN-FGRA from the sustainability view point	<i>Journal of Intelligent Manufacturing</i>		1-22	2015	1.995
54.	S Vinodh , S Aravindraj	Benchmarking agility assessment approaches: a case study	<i>Benchmarking : An International Journal</i>	22 (1)	2-17	2015	
55.	S Vinodh , V Kamala, K Jayakrishna	Application of fuzzy axiomatic design methodology for selection of design alternatives	<i>Journal of Engineering, Design and Technology</i>	13 (1)	2-22	2015	
56.	Vimal KEK, Sekar Vinodh	ANP based sustainable concept selection	<i>Journal of Modelling in Management</i>	10 (1)	118 -136	2015	
57.	KEK Vimal, S Vinodh , A Raja	Modelling, assessment and deployment of strategies for ensuring sustainable shielded metal arc welding process—a case study	<i>Journal of Cleaner Production</i>	93	364-377	2015	4.959
58.	S. Vinodh , K. J.	Application of fuzzy quality function deployment	<i>Clean Technologies</i>		1-10	2016	1.934

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S.No	Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
	Manjunatheshwara, S. Karthik Sundaram, Vishwesh Kirthivasan	for sustainable design of consumer electronics products: a case study	<i>and Environmental Policy</i>				
59.	Vikas Swarnakar , S. Vinodh	Deploying Lean Six Sigma framework in an automotive component manufacturing organization	<i>International Journal of Lean Six Sigma</i>	7 (3)	267 - 293	2016	
60.	G. Muruganantham, S. Vinodh , C. S. Arun & K. Ramesh	Application of interpretive structural modelling for analysing barriers to total quality management practices implementation in the automotive sector	<i>Total Quality Management & Business Excellence</i>			2016	0.896
61.	C. Vasanthakumar, S. Vinodh & K. Ramesh	Application of interpretive structural modelling for analysis of factors influencing lean remanufacturing practices	<i>International Journal of Production Research</i>	54 (24)	7439-7452	2016	1.693
62.	R. Vidyadhar, R. Sudeep Kumar, S. Vinodh , Jiju Antony	Application of fuzzy logic for leanness assessment in SMEs: a case study	<i>Journal of Engineering, Design and Technology</i>	14 (1)	78 - 103	2016	
63.	Vinodh, S. , Ramesh, K. & Arun, C.S.	Application of interpretive structural modelling for analysing the factors influencing integrated lean sustainable system	<i>Clean Technologies and Environmental</i>	18 (2)	413–428	2016	1.934

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S.No	Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
			<i>Policy</i>				
64.	R.M. Thirupathi & S. Vinodh	Application of interpretive structural modelling and structural equation modelling for analysis of sustainable manufacturing factors in Indian automotive component sector	<i>International Journal of Production Research</i>	54 (22)	6661-6682	2016	1.693
65.	S. Vinodh, R. Ben Ruben, P. Asokan	Life cycle assessment integrated value stream mapping framework to ensure sustainable manufacturing: a case study	<i>Clean Technologies and Environmental Policy</i>	18 (1)	279–295	2016	1.934
66.	Vimal KEK, Vinodh S	LCA Integrated ANP Framework for Selection of Sustainable Manufacturing Processes	<i>Environmental Modeling & Assessment</i>	21 (4)	507–516	2016	

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(B) Conferences/Workshops/Symposia Proceedings

Sr. No	Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Venue	Year
1	Gopinath Rathod and S.Vinodh	“QFD Application for Enabling Environmentally Conscious Design”	7 th Global Conference on Sustainable Manufacturing (GCSM 2009)		Indian Institute of Technology, Madras, Chennai	2009
2	S.Vinodh , Dinesh Kumar, C. and Vignesh, S.	“Multi-Grade Fuzzy Agility Assessment and its DSS: A Case Study”	International Conference on Latest Trends in Simulation Modelling and Analysis (COSMA 2009)		National Institute of Technology, Calicut	2009
3	S.Vinodh , Somanaathan, M., Arvind, K.R. and Suresh Kumar Chintha	“Applying Value Stream Mapping to achieve a Lean Enterprise – A Case Study”	International Conference on Latest Trends in Simulation Modelling and Analysis (COSMA 2009)		National Institute of Technology, Calicut	2009
4	S.Vinodh , Somanaathan, M. and Arvind, K.R	“Development of Value Stream Map for a Camshaft Manufacturing Organization”	XIII Annual Conference of the Society of Operations Management (ACSOM 2009)		Indian Institute of Technology, Madras, Chennai	2009
5	S.Vinodh , G.Sundararaj, S R. Devadasan and D.Kuttalingam	“Design and Development of Agile Customization Programme”	International Conference & Exhibition on Total Engineering Analysis & Manufacturing Technologies (TEAMTECH 2009)		Jnana Auditorium, Bangalore	2009
6	S.Vinodh , Suresh Kumar Chintha	“Fuzzy Quality Function Deployment: An enabler of Lean Manufacturing”	International Conference & Exhibition on Total Engineering Analysis & Manufacturing Technologies (TEAMTECH 2009)	39	Jnana Auditorium, Bangalore	2009

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Sr. No	Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Venue	Year
7	S.Vinodh, G.Sundararaj, and SR.Devadasan	“Agility, Innovation and Quality integrated customer voice translation through Agile ITQFD Technique”	PDMA India IV Annual International Conference on New Product Development: Challenges in Meltdown Times (NPDC 2009)		IIT Madras, Chennai	2009
8	S.Vinodh, K.R.Shivraman and S.Viswesh	“Multi-criterion decision making using AHP in a lean environment”	5 th International Conference on Logistics and Supply Chain Management (ILSCM 2010)		PSG Institute of Management, Coimbatore	2010
9	S.Vinodh and Gopinath Rathod	“Application of Fuzzy QFD for supplier selection”	5th International Conference on Logistics and Supply Chain Management (ILSCM 2010)		PSG Institute of Management, Coimbatore	2010
10	S.Vinodh, M.Vignesh and M.Vishvanath	“Fuzzy Logic Based Sustainability Evaluation”,	4th International Conference on Advances in Mechanical Engineering (ICAME)		Sardar Vallabhbbhai National Institute of Technology Surat, Gujarat	2010
11	S.Vinodh, N.Narendhiran and J.Srikrishna	“Application of ECQFD for ensuring sustainable development in Electric Car”,	International Conference on Operational Research for Urban and Rural Development & 43rd Annual Convention of Operational Research Society of India (ICOURD 2010)		Thiagarajar College of Engineering, Madurai	2010
12	S.Vinodh, J.Srikrishna and N.Narendhiran	“Fuzzy Logic based Eco-QFD: An enabler for sustainability”	International Conference on Operational Research for Urban and Rural Development & 43rd Annual Convention of Operational Research Society of		Thiagarajar College of Engineering, Madurai	2010

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Sr. No	Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Venue	Year
			India (ICOURD 2010)			
13	S.Vinodh , and Dinesh Kumar, C.	“Software Support for Multi Grade Fuzzy Assessment of leanness”	3rd International and 24th All India Manufacturing Technology Design and Research (AIMTDR)		Andhra University College of Engineering, Andhra University, Visakhapatnam	2010
14	VinodhS. , and Balaji, S.R.	“Assessment of Leanness using Fuzzy Logic approach”	3rd International and 24th All India Manufacturing Technology Design and Research (AIMTDR)		Andhra University College of Engineering, Andhra University, Visakhapatnam	2010
15	S. Vinodh and Suresh Kumar Chintha.	“Fuzzy QFD: An enabler of Agile Manufacturing”	International Conference on Frontiers in Mechanical Engineering (FIME2010)		National Institute of Technology Karnataka, Surathkal, Mangalore	2010
16	S.Vinodh , R.Praveen Kumar and N.Nachiappan	“Disassembly modeling and planning – Enablers of sustainability”	Sustainability in Design: Now! Proceedings of LeNS Conference		Bangalore	2010
17	K.E.K.Vimal and S.Vinodh	“Lean Function Selection using Multi-Criteria Decision Making Method”	5th International Conference on Advances in Mechanical Engineering (ICAME-2011)		S.V.National Institute of Technology Surat, Gujarat	2011
18	K.Jayakrishna and S.Vinodh	“LCA based Sustainability Analysis Model of an Automotive Assembly”	5th International Conference on Advances in Mechanical Engineering (ICAME-2011)		S.V.National Institute of Technology Surat, Gujarat	2011
19	R.Jeya Girubha and S.Vinodh	“Application of PROMETHEE in Lean Manufacturing”	First International Conference in South Asia on Global Manufacturing Systems &		Coimbatore Institute of Technology, Coimbatore	2011

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Sr. No	Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Venue	Year
			Management			
20	S.Aravind Raj and S.Vinodh	“Fuzzy Inference Rules based agility evaluation”	First International Conference in South Asia on Global Manufacturing Systems & Management		Coimbatore Institute of Technology, Coimbatore	2011
21	R.Jeya Girubha, S.Vinodh , and K.Jayakrishna	“Sustainable concept selection of relays: A case study”	International Conference on Sustainable Manufacturing: Issues, Trends and Practices (ICSM 2011)		Birla Institute of Technology and Science (BITS) Pilani, Pilani	2011
22	K.E.K.Vimal and S.Vinodh	“Lean concept selection using Multi-Criterion Decision Making approach”	”, International Conference on Sustainable Manufacturing: Issues, Trends and Practices (ICSM 2011)		Birla Institute of Technology and Science (BITS) Pilani, Pilani	2011
23	S.Vinodh , S.Aravind Raj and V.Uday Kumar	‘Measuring agility of a pump manufacturing organization	Eleventh Global Conference on Flexible Systems Management (IIMK-GLOGIFT- 11)	231-234	Indian Foundation of Management, Kozhikode	2011
24	S.Vinodh and K.E.K.Vimal	Application of Artificial Intelligence for Leanness Assessment’	International Conference on Advances in Supply Chain and Manufacturing Management (ASCOMM 2011)	231-234	Indian Institute of Technology, Kharagpur	2011
25	S.Vinodh , R.Jeya Girubha and Vimal K.E.K.	Sustainable Concept selection using PROMETHEE’	International Conference on Advances in Supply Chain and Manufacturing Management (ASCOMM 2011)	231-234	Indian Institute of Technology, Kharagpur	2011
26	S.Aravind Raj and S.Vinodh	“Fuzzy based Leagility Index	International Conference on		S.V.National Institute of	2011

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Sr. No	Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Venue	Year
		Computation”	Industrial Engineering (ICIE 2011)		Technology Surat, Gujarat	
27	GopinathRathod, S.Vinodh and U.R.Madhyastha	“Application of QFD for enabling environmentally conscious design in an Indian electric car manufacturing organization”	3rd International Conference on Research into Design (ICoRD 2011)		Indian Institute of Science, Bangalore	2011
28	S.Vinodh and S.Aravindraaj	“Application of axiomatic design approach to lean system”	International Conference on Sustainable Manufacturing: Issues, Trends and Practices (ICSM 2011)		Birla Institute of Technology and Science (BITS) Pilani, Pilani	2011
29	S.Vinodh , Jeya Girubha, R. and SakthiNagaraj	“Multi-Criterion Decision Making for the selection of Rapid Prototyping Technology”	International Conference on Additive Manufacturing Technologies (AM 2012)	17	Nimhans Convention Centre, Bangalore, India	2012
30	S.Aravind Raj, Vimal, K.E.K, Shama, M.S., S.Vinodh , Anand, G. and M.P.Chowdiah	“A Mathematical Model to evaluate the workforce role in an agile environment”	International Conference on Agile Manufacturing (ICAM 2012)	171-173	Indian Institute of Technology – Banaras Hindu University, Varanasi	2012
31	S.Vinodh and S.Aravindraaj	“Determination of leagile supply chain index using Fuzzy” ANP approach	International Conference on Manufacturing and Industrial Engineering (ICMIE 2012)	488-489	Peninsula Excelsior Hotel, Singapore	2012
32	S.Vinodh and R.Jeya Girubha	“Multiple Criterion Decision Making application for sustainable material selection”	CIRP Design 2012 Conference (CIRP 2012)	231-234	Indian Institute of Science, Bangalore	2012
33	K.Jayakrishna,	“Executive	International	169-	Indian Institute of	2012

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Sr. No	Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Venue	Year
	V.Kamala, S.Vinodh and M.P.Chowdiah	Support System for Performance Measurement in a Responsive and Fuzzy Environment”	Conference on Agile Manufacturing (ICAM 2012)	170	Technology – Banaras Hindu University, Varanasi	
34	S.Vinodh and Adarsh Kumar Singh	“Agility evaluation of an organisation using ANFIS approach”	XVII Annual International Conference of the Society of Operations Management	10	Indian Institute of Technology – Madras, Chennai	2013
35	K.J.Manjunath eshwara and S.Vinodh	“Rapid Plant Assessment using MCDM Technique in a manufacturing organisation”	Second International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014)	122	Anna University, Chennai	2014
36	K.E.K.Vimal and S.Vinodh	“Scoring approach for evaluation of process sustainability characteristics”	Second International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014)	159	Anna University, Chennai	2014
37	Ben Ruben, S.Vinodh , P. Asokan	‘An application of ISM for analysis of barriers in an integrated lean sustainable manufacturing environment’,	International Conference on Industrial Engineering at November 26 - 28, ICIE 2015	417-422.	Sardar Vallabhbhai National Institute of Technology, Surat,	2015
38	S.Vinodh , Vishal A Wankhede	Multi-grade fuzzy assessment of cloud manufacturing performance’	International Conference on Industrial Engineering at November 26 - 28, ICIE 2015	534-537	Sardar Vallabhbhai National Institute of Technology, Surat,	2015
39	Manjunatheshwara, K.J., and S.Vinodh	‘Application of Interpretative Structural Modelling for	International Conference on E-Business and Supply Chain		IIT, Kharagpur, West Bengal	2016

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Sr. No	Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Venue	Year
		analysis of factors influencing sustainable development of tablet devices’,	Competitiveness (EBSCC 2016) February12-14, 2016			

(C) Book Chapters

S.No.	Author(s)	Title of Book Chapter	Name of Publishers	Year of Publication	ISSN/ISBN Number
1	S.Vinodh and K.Jayakrishna,	“Application of Hybrid MCDM Approach for Selecting the Best Tyre Recycling Process” in the book titled “ <i>Green Manufacturing Processes and Systems, Materials Forming, Machining and Tribology</i> ”	Springer-Verlag Publisher, Berlin Heidelberg,	2012	
2	S.Vinodh , V.Kamala, M.S.Shama and S.Aravind Raj	“Auditing for measuring the extent of lean implementation” in the book titled “Handbook of Research on Design and Management of Lean production system”	IGI Global Publishers, USA	2014	
3	S.Vinodh , K.Jayakrishna and K.E.K. Vimal	“Sustainability in Mechanical Engineering Discipline” in the book titled “Modern Mechanical Engineering”	Springer Berlin Heidelberg	2014.	
4	S.Vinodh , SK Bharathi, N Gopi	“Parametric Optimization of	Springer International	2016	

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S.No.	Author(s)	Title of Book Chapter	Name of Publishers	Year of Publication	ISSN/ISBN Number
		Submerged Arc Welding Using Taguchi Method” in the Book titled Design of Experiments in Production Engineering,			