

Dr.D.Elangovan

Professor

Department of Mechanical Engineering

PSG Institute of Technology and Applied Research

Neelambur

Coimbatore – 641 062

Mobile: 9486244579

Email: delangovan_cbe@yahoo.co.in

Area of Interest: Production Engineering / Supply Chain Risk Management

Papers published in International Journals: 27

1. P.Karuppuswamy, G.Sundararaj, S.R.Devadasan, **D.Elangovan** and L.Savadamuthu. (2006) ‘Failure reduction in manufacturing systems through the risk management approach and the development of a reactive maintenance model’, *International Journal of Risk Assessment and Management*, Vol.6, Nos.4/5/6, pp.545–564.
2. P.Karuppuswamy, G.Sundararaj and **D.Elangovan**. (2006) ‘Application of the risk management tool to reduce the failures of spare parts in manufacturing systems’, *International Journal of Management Practice*, Vol.2, No.1, pp.42–57.
3. P.Karuppuswamy, G.Sundararaj and **D.Elangovan**. (2007) ‘Application of computerised maintenance management system coupled with risk management techniques for performance improvement of manufacturing systems’, *International Journal of Business Performance Management*, Vol.9, No.1, pp.7–21.
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5. **D.Elangovan**, G.Sundararaj, S.R.Devadasan, P.Karuppuswamy and J.Tennis Anthuvan. (2009) 'Unleashing hidden potentials for loss reduction in a paint manufacturing industry through an efficient responsive supply chain risk management model', *International Journal of Business and Systems Research*, Vol.3, No.1, pp.93–118.
6. **D.Elangovan**, G.Sundararaj, S.R.Devadasan and P.Karuppuswamy (2010) 'Analysis of time delays for loss reduction in an automobile components manufacturing organisation using a proactive supply chain risk management model', *International Journal of Services, Economics and Management*, Vol.2, Nos.3/4, pp.385–411.
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8. L.Francis Xavier and **D.Elangovan** (2013) 'Effective parameters for improving deep hole drilling process by conventional method – A Review', *International Journal of Engineering Research and Technology*, Vol.2, No.3.
9. S.Gunasekharan, **D.Elangovan** and P.Parthiban (2014) 'A comprehensive study to evaluate the critical success factors affecting lean concept in Indian manufacturing industries', *Applied Mechanics and Materials (International Journal)*, Vols.592–594, pp.2569–2576.
10. S.Gunasekharan, **D.Elangovan** and P.Parthiban (2014) 'Critical success factors for implementation of lean and green in medium scale manufacturing industries', *Applied Mechanics and Materials (International Journal)*, Vols.592–594, pp.2588–2595.
11. L.Francis Xavier, **D.Elangovan**, S.R.Devadasan, P.Yeshwanth Kumar and M.Bharath (2015) 'Investigation on the burr formation during drilling through holes for achieving low cost reinforced aluminium metal matrix composite', *International Journal of Applied Engineering Research*, Vol.10, No. 19; pp.14777–14785.

12. L.Francis Xavier, **D.Elangovan**, S.R.Devadasan, S.Nelson Gnanaraj and S.Praveen Kumar (2015) 'Optimization of the surface roughness of the drilled holes on low cost reinforced aluminium metal matrix composite', *International Journal of Applied Engineering Research*, Vol.10, No. 19; pp.14809–14820.
13. S.Gobinath, D.Elangovan, S.Dharmalingam (2015) 'Lean Manufacturing Issues and Challenges in Manufacturing', *International Journal of ChemTech Research*, Vol.8, No.1, pp.44–51.
14. S.Gobinath, **D.Elangovan**, A.Rajagopal and S.R.Devadasan (2015) 'Developing a Metric for Timely Availability of Earth Moving Equipments in Infrastructure Project', *International Journal of Applied Engineering Research*, Vol.10, No.71, pp.23–34.
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16. S.Gobinath, **D.Elangovan** and S.Dharmalingam (2015) 'Increase the Performance and Create Brand Value through Lean Six Sigma Practices – A Review', *Journal of Applied Sciences Research*, Vol.11, No.23, pp.122–128.
17. S.Gobinath, **D.Elangovan**, E.Sivakumar and S.R.Devadasan (2016) 'Viability study of use of reprocessed high density polyethylene for manufacturing products and multi response optimization of injection moulding parameters using grey relational analysis', *Polymers and Polymer Composites*, Vol.24, No.7, pp.547–554.
18. S.Gobinath, **D.Elangovan**, E.Sivakumar and S.R.Devadasan (2016) 'Development of dynamic lean six sigma model for enhancing stability, capability and robustness metrics in small and medium enterprises and pilot implementation in a plastic industry', *Asian Journal of Research in Social Sciences and Humanities*, Vol.6, No.10, pp.2043–2055.

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21. **D.Elangovan** and S.R.Devadasan (2016) 'Development and implementation of sustainable lean six sigma strategies in a small size automobile spare parts manufacturing company', *International Journal of Printing, Packaging and Allied Sciences*, Vol.4, No.2, pp.1260–1272.
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23. S.Gunasekharan, **D.Elangovan**, S.Sudhakara Reddy and M.Maheswari (2018) 'Real Time Implementation and Validation of Lean Implementation Model for Sustainability (LIMS) in Medium Scale Industry', *International Journal of Engineering and Technology, Science Publishing Corporation, UAE*, Vol.7, No.3.29, pp.16-20.
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25. R.Tamilselvi, G.Chandramohan, **D.Elangovan** and V.Navin Ganesh (2019) 'Model-Based Teaching and Learning: An Experiential Research of Teaching Engineering Drawing for First Year Engineering Students', *International Journal of Recent Technology and Engineering (IJRTE)*, Vol.8, No.4, pp.9363 – 9367.
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27. D.Ramesh Kumar, S.R.Devadasan and **D.Elangovan** (2020) 'Spotting and Eliminating Non-Value Adding Activities to Lay Foundation for Implementing Lean Manufacturing: A Case Study in a Medium Sized Traditional Rubber Products Manufacturing Company', *Solid State Technology*, Vol.63, No.6, pp.9156–9177.