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## Present Position

Professor, Department of Industrial Engineering, College of Engineering Guindy, Anna University, Chennai from June-2012.

## Present Additional Responsibility

- Head of the Department, Department of Industrial Engineering, Anna University, Chennai from March-2015.

## Previous Positions

- Associate professor, Department of Industrial Engineering, College of Engineering Guindy, Anna University, Chennai during March-2007 and June-2012.
- Assistant Professor, Department of Industrial Engineering, College of Engineering Guindy, Anna University, Chennai during March-2004 and March-2007.

## Previous Additional Responsibility

- Additional Controller Of Examinations, Office of the Controller of Examinations, Anna University, Chennai during August-2012 and July-2016.
- Special Officer - Tindivanam, University College Of Engineering, Tindivanam, Anna University, Chennai during June-2008 and September-2010.
- , , Anna University, Chennai.
- Deputy Controller Of Examination, Office of the Controller of Examinations, Anna University, Chennai.

## Other Employment

- QC Inspector, HHE Ltd, Chennai for 2.5 years.
- Supervisory Position, Carriage&wagon Works, Perambur, Chennai-23. for 10 years.
- Asst. Mech. Engr., Diesel Loco Maintenance Depot, Erode. for 2.5 years.

- Asst. Prdn. Engr., Carriage&wagon Works, Perambur, Chennai-23. for 2.5 years.
- Vice Principal, Supervisors' Training Centre, Banglore. for 2 years.
- Works Manager, Carriage&wagon Works, Perambur, Chennai-23. for 3 years.
- Divisional Mechanical Engineer., Coaching Depot, Basin Bridge, Chennai. for 1.5 years.
- Production Engineer.,, Loco Works and Carriage&wagon Works, Perambur, Chennai-23. for 1.5 years.

## Degree

- ❖ in Astrology, Sasthra University, Sasthra University (2003 - 2004).
- ❖ in Operations Management, IGNOU, IGNOU (2002 - 2003).
- ❖ M.A. in TAMIL , Institute of correspondence education, University of Madras (1995 - 1997).
- ❖ in Maintenance Management, Institute of Correspondence education, Annamalai University (1993 - 1994).
- ❖ M.E. in INDUSTRIAL ENGINEERING , College of Engineering, Guindy, Anna University (1989 - 1991).
- ❖ M.B.A. in Human Resource Management, IGNOU, IGNOU (1988 - 1992).
- ❖ AMIE. in Metallurgical Engineering, Institution of Engineers (India), Institution of Engineers (India) (1985 - 1988).
- ❖ M.A. in Public Administration, Institute of Correspondence Education, University of Madras (1984 - 1986).
- ❖ DTP. in Rail transport, Institute of Rail Transport, Indian Railways,New Delhi. (1984 - 1985).
- ❖ AMIE. in MECHANICAL ENGINEERING , Institution of Engineers (India), Institution of Engineers (India) (1982 - 1985).
- ❖ B.A in TAMIL , Institute of Correspondence Education, University of Madras (1981 - 1984).
- ❖ D.M.E. in MECHANICAL ENGINEERING , C.N. Polytechnic, Directorate of technical education,Tamil Nadu (1977 - 1980).

## Research Degree

- ❖ Ph.D. in TOTAL QUALITY MANAGEMENT from Faculty of Mechanical Engineering, University Department, Madras University, Madras University (1999 - 2001).  
Title: An empirical investigation to identify Critical Success Factors and TQM culture variables for successful implementation of Total Quality Management in Indian industries..

- ❖ MS by research in Engineering Management from Faculty of Mechanical Engineering, BITS/PILANI, BITS/PILANI (1995 - 1997).  
Title: Productivity improvement in Carriage and Wagon Works, Southern Railway..

## Area of Specialisation

- > Industrial Engineering

## Membership in Professional Organization

- > Life member- Institution of Engineers(India)
- > Member-Institution of Industrial Engineering

## Research Guidance

Number of Ph.D Scholars Guided	: 16
Number of Ph.D Scholars Guiding	: 4
Number of M.S (By Research) Students Guided	: 1
Number of M.E./ M.Tech. Projects Guided	: 35
Number of M.E./ M.Tech. Projects Guiding	: 5
Number of Ph.D Scholars Guided as Joint-Supervisor	: 4
Number of Ph.D Scholars Guiding as Joint-Supervisor	: 1

## Papers Published in Journals

Research Papers Published in International Journals	: 51
Research Papers Published in National Journals	: 17

1. R.Raju, "Reducing Axle Rejection using Problem Solving Tools", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 29, Issue 9, pp. 24-29 (2000).
2. R.Raju N. Balasubramanian, "Total Quality Management Implementation model for Indian Industries ", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 31, Issue 1, pp. 18-27 (2002).
3. R.Raju N. Balasubramanian, " An Empirical Investigation and development of Instruments for Measuring the Progress of Total quality Management Implementation in Indian Industries", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 32, Issue 12, pp. 7-20 (2003).
4. R.Raju P.Malliga M. Sai Annapurani, "Quality Culture in a repair & Maintenance Workshop - A case study", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 32, Issue 6, pp. 11-13 (2003).

5. P. B. Sakthivel R.Raju, " An Instrument for measuring Engineering Education quality from student's perspective", American Society for Quality, published by American Society for Quality. Vol. 17, Issue 2, pp. 182-194 (2005).
6. P. B. Sakthivel R.Raju, "TQM Implementation and Student's satisfaction of academic performance.", The TQM Magazine Emerald, published by Emerald Group. Vol. 17, Issue 6, pp. 573-589 (2005).
7. R.Raju K.Akshayalingam, "Energy Audit : A case Study in a Railway Workshop", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 34, Issue 6, pp. 30-32 (2005).
8. R.Raju K.Roopam Malini, "An Empirical Investigation to identify the predictors of job satisfaction in a government organisation", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 35, Issue 9, pp. 16-18 (2006).
9. R.Raju R.J Famin Benedict, " Liquid Loss in a cryogenic air separation plant using six-sigma methodology.", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 36, Issue 2, pp. 42-45 (2006).
10. P. B. Sakthivel R.Raju, " Conceptualizing Total Quality Management in Engineering Education and Developing a TQM Educational Excellence Model", Total Quality Management, published by Taylor and francis Group. Vol. 17, Issue 7, pp. 913-934 (2006).
11. V Mahesh Kumar R.Raju, "A Study and analysis of Total Quality Management in a selected higher Education Institution : A Case study ", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 35, Issue 5, pp. 32-36 (2006).
12. S.Rajkumar R.Raju, "A FrameWork of policy Management for Realizing the company vision", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 36, Issue 10, pp. 15-18 (2007).
13. V. Jaiganesh, Dr. R.Raju, "Minimize the variation in bore diameter of BG collar component using taguchi based MRSN Technique", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Issue 5, pp. 31 -38 (2008).
14. L. John Baruch, R. Raju, B. K. Raghunath, "Processing of Aluminium & Magnesium Composites- A review.", Engineering Today, published by Engineering Today. Issue 7, pp. 30 - 34 (2008).
15. S.Vijayan R.Raju, " Process Parameter Optimization and Characterization of Friction Stir Welding of Aluminium Alloys", International Journal of Applied Engineering Research, published by International Journal of Applied Engineering Resea. Vol. 3, Issue 10, pp. 1303-1316 (2008).
16. V.Jai Ganesh R. Raju, "Optimization of wire electrical discharge machining (WEDM) process parameters using Desirability and factor analysis", Journal of manufacturing technology today, published by Journal of manufacturing technology today. pp. 17-22 (2008).

17. V. Jayakumar R.Raju, " Some aspects of designing a dynamic cellular manufacturing sytem for deterministic and stochastic production requirements", International Journal of Applied Engineering Research, published by International Journal of Applied Engineering Resea. Vol. 4, Issue 10, pp. 1895-1902 (2009).
18. S.Vijayan R.Raju S.R.K. Rao, "Friction Stir Welding of Al-Mg Alloy: Comparison of process parameter optimization between single and multi response using Taguchi Methodology", International Journal of Applied Engineering Research, published by International Journal of Applied Engineering Resea. Vol. 4, Issue 5, pp. 709-725 (2009).
19. S.Vijayan R.Raju K. Subbaiah, N. Sridhar, " Friction Stir Welding Of Al–Mg Alloy Optimization Of Process Parameters Using Taguchi Method.", Society for Experimental Mechanics, published by Society for Experimental Mechanics. pp. 1-8, DOI:10.1111/j.1747-1567.2009.00563x (2009).
20. R.Raju, "A study and analysis of attrition in ITES Industry", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. pp. 15-18 (2009).
21. V.Jai Ganesh R. Raju, " Multi-Response Optimization of Process Parameters using weight based Grey Analysis and weight based Desirability function in the Taguchi Method", International Journal of Machine Intelligence and Application, published by Serials . Vol. 1, Issue 1, pp. 27-38 (2009).
22. V. Jayakumar R.Raju, "Investigation of Applications of simulated Annealing in the Design of Dynamic Cellular Manufacturing Systems.", International Journal of Engineering and Technology, published by International Journal of Engineering and Technolog. Vol. 2, Issue 4, pp. 220-224 (2010).
23. R. Saravanan R. Raju M. Ramasamy, "Integrating Simulation and Optimization to Schedule Batches in Parallel Hybrid Flow Shop", International Journal of Design and Manufacturing Technologies, published by International Journal of Design and Manufacturing . Vol. 4, Issue 1, pp. 21-29 (2010).
24. R. Saravanan R. Raju, " Sequencing and Scheduling of Non uniform Flow Pattern in Parallel Hybrid Flow Shop", International Journal of Advanced Manufacturing Technology, published by Springer. Issue 49, pp. 213-225 (2010).
25. M.Sumathy R.Raju, " The Influence of Psychosocial Factors on the occurrence of Musculoskeletal Disorders Regarding VDT users", European Journal of Scientific Research, published by European Journal of Scientific Research. Vol. 43, Issue 2, pp. 290-296 (2010).
26. S.Vijayan R.Raju S.R.K. Rao, "Multi-objective Optimisation of friction Stir Welding process parameters on Aluminium Alloy AA 5083 Using Taguchi Based Grey Relation Analysis", Materials and Manufacturing Process, published by Taylor and francis Group. Vol. 25, pp. 1206-1212 (2010).
27. V. Jayakumar R.Raju, "Design of cellular manufacturing system under dynamic environment for an auto component manufacturing industry", Journal of manufacturing engineering, published by SME India. Vol. 5, Issue 4, pp. 293-299 (2010).

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28. R.Ramanujam R. Raju, "Optimization of multiple performance characteristics in turning Al-SiCp Metal matrix composites using weighted principal component analysis", Journal of manufacturing technology today, published by CMTI-India. pp. 3-10 (2010).
  29. V. Jayakumar R.Raju, "A multi objective genetic algorithm approach to the probabilistic manufacturing cell formation problem", South African Journal of Industrial Engineering, published by South African Journal of Industrial Engineering. Vol. 22, Issue 1, pp. 199-212 (2011).
  30. K.R. Leelavathy R. Raju S. Gokul Raj, "Whole Body Vibration and Back Disorders among Vehicle Operators", European Journal of Scientific Research, published by European Journal of Scientific Research. Vol. 61, Issue 3, pp. 328-340 (2011).
  31. R.Ramanujam R. Raju N.Muthukrishnan, "Optimization of machining parameters for turning Al-SiC(10p) MMC using Taguchi Grey relational analysis", International Journal of Industrial Engineering, published by International Journal of Industrial Engineering. Vol. 18, Issue 11, pp. 582-590 (2011).
  32. R.Raju D Srilakshmana Kumar, "Development of TQM FrameWork for financial sector in India", Industrial Engineering Journal, published by Indian Institution of Industrial Engineering. Vol. 2, Issue 22, pp. 14-20 (2011).
  33. R.Ramanujam N. Muthukrishnan R. Raju, "Optimization of cutting parameters for turning Al-SiC(10p) MMC using ANOVA and Grey relational analysis.", International Journal of precision Engineering and Manufacturing, published by Springer. Vol. 12, Issue 4, pp. 651-656 (2011).
  34. R.Ramanujam R. Raju, "Process Parameter optimization in Turning of Al-SiCp Metal Matrix Composites using Taguchi Based Desirability Function Analysis", Journal of Mechanical Engineering, published by Strojniški vestnik – Journal of Mechanical Enginee. Vol. 62, Issue 2, pp. 81-92 (2011).
  35. M.Sumathy R.Raju, "A cross – sectional study on musculoskeletal disorder prevalence symptoms at video display terminal (VDT) work-stations", International Journal of engineering science and technology, published by International Journal of engineering science and t. Vol. 4, Issue 4, pp. 1448-1457 (2012).
  36. L. John Baruch R. Raju V. Balasubramanian, "Effect of tool pin profile on microstructure and hardness of friction stir processed aluminium die casting alloy", European journal of Scientific research, published by European journal of Scientific research. Vol. 70, Issue 3, pp. 373-385 (2012).
  37. K.R. Leelavathy R. Raju S. Gokul Raj, "An empirical investigation and development of model for measuring the perceived low back pain prevalence level among drivers in India", International journal of engineering science and technology, published by International journal of engineering science and t. Vol. 5, Issue 4, pp. 719-730 (2013).
  38. M.Sumathy R.Raju, " Influence of individual factors like gender, physical activity and age on the occurrence of musculoskeletal disorders in video display terminal users", International Journal of current research, published by International Journal of current research. Vol. 5, Issue 4, pp. 982-986 (2013).

39. R.Ramanujam K. Venkatesan S. Vijayan R. Raju, "Multi-response optimization of machining parameters in turning hybrid metal matrix composites reinforced with graphite particles for tribological applications", International Journal of applied engineering research, published by International Journal of applied engineering resea. Vol. 8, Issue 11, pp. 1315-1326 (2013).
40. M.Sumathy R.Raju, "Influence of industry type on the musculoskeletal disorders prevalence of the video display terminal (VDT) users", International Journal of current research, published by International Journal of current research. Vol. 5, Issue 8, pp. 2192-2195 (2013).
41. Parthiban P, Raju R, " Productivity improvement in shoe making industry By using method study", IOSR Journal of Mechanical and Civil Engineering(IOSR-JMCE), pp. PP 01-08 (2014).
42. Babu Chellappachetty, R.Raju, "Increasing the probability of fault detection in non-perfect inspection model of delay time analysis with compromise on inspection time.", Research journal of Applied Sciences Engineering and Technology., published by Maxwell Scientific Organization. Vol. 18, Issue 8, pp. 1442 - 1449 (2014).
43. "Influence of Video Display Terminal User's Qualification on the level of Musculoskeletal Disorder Prevalence", International Journal of Applied Engineering Research, published by Research India. Vol. 9, Issue 24, pp. 24387-24406 (2014).
44. B. Abideen Ahamed Dr. R. Raju, " Implementing Lean in A Small Scale Ice Cream Manufacturing Industry", IOSR Journal of Mechanical and Civil Engineering , published by www.iosrjournals.org . Issue 2014, pp. 69-77 (2014).
45. "Influence of Designation on the musculoskeletal Disorder prevalence of the Display terminal (VDT) Users", International Journal of Innovative research in science and technology, published by International Journal of Innovative research in sc. Vol. 5, Issue 1, pp. 65-71 (2014).
46. V. Jayakumar R.Raju, " A simulated Annealing Algorithm for Machine Cell formation under uncertain production requirements", Arabian Journal for science & Engineering, published by Springer. pp. ISSN 1319-8025, DOI.10.1007/s13369-014-1306-1 (2014).
47. Babu Chellappachetty, R.Raju, "Analysing the Effect of Subsystems for Periodic Maintenance Inspection of Equipment using Delay Time Methodology to minimize the Down time per Unit time", Indian Journal of Science and Technology, published by Indian Journal of Science and Technology. Vol. 8, Issue 9, pp. 849 - 858 (2015).
48. Raja Sreedharan, V., Raju, R., & Srivatsa Srinivas, S., " A review of the quality evolution in various organisations", Total Quality Management & Business Excellence, published by Taylor and Franics. Vol. 28, Issue 3, pp. 351-365 (2015).
49. R. Balaji, R.Raju, "Implementation of Lean in Heavy Vehicle Assembly Plant", International Journal of Applied Engineering Research, published by ICETS 2015. Vol. 10, Issue 9, pp. 78582-78592 (2015).
50. V. Raja Sreedharan, R.Raju, G.Srinivasan, "Defect Analysis in a ballast Manufacturing Industry using Quality tools", International Journal of Applied Engineering Research, published by Research India Publications. Vol. 10, Issue 9, pp. 7997-8004 (2015).

51. Selvan C, RAJU R, Pradeep B, "Optimizing Healthcare Delivery system in Laboratory", International Symposium in Honour of Dr. A. Ravi Ravindren , (2015).
52. Selvan. C, Raju R, Jitendranath Palem, Marie-Claude Guerin, " Application of Classification Technique and Sentiment Analysis Based Text Analytics to the Patient Feedback Management System", International Journal of Engineering Technology, Management and Applied Sciences, published by IJETMAS. Vol. 3, pp. 7 - 20 (2015).
53. Selvan C, RAJU R, Jitendranath Palem, "Impact of IT Infrastructure Availability Service Level Agreements and Need for the Service Centric Approach and Analytics in Healthcare", International Journal of Engineering Technology, Management and Applied Sciences, published by IJETMAS. Vol. 3, pp. 66-75 (2015).
54. P. Mariappan; R. Raju; V. Raja Sreedharan, "Lean Six Sigma: A Literature Analysis and Classification", Asian Journal of Research in Social Sciences and Humanities, published by Asian Research Consortium. Vol. 6, Issue 6, pp. 315-332 (2016).
55. K. Giridharan, R. Raju, "The Impact of Experiential Learning Methodology on Student Achievement in Mechanical Automotive Engineering Education", International Journal of Engineering Education, published by TEMPUS publications. Vol. 32, Issue 6, pp. 2531 - 2542 (2016).
56. P. Mohamed Ali R. Raju; T. K. Murugesan, " The Impact of Human Factors on Effective Implementation of TQM in South Indian Manufacturing Industries", Asian Journal of Research in Social Sciences and Humanities, published by Asian Research Consortium. Vol. 6, Issue 7, pp. 517-536 (2016).
57. K. Giridharan; R. Raju, "Impact of Teaching Strategies: Demonstration and Lecture Strategies and Impact of Teacher Effect on Academic Achievement in Engineering Education", International Journal of EDUCATIONAL SCIENCES, published by KRE. Vol. 14, Issue 3, pp. 174-186 (2016).
58. John Baruch.L,Raju.R, Balasubramanian.V, Rao.A.G Dinaharan.I, " Influence of Multi-pass Friction Stir Processing on Microstructure and Mechanical Properties of Die Cast Al-7Si-3Cu Aluminium Alloy", Acta Metall.Sin. (Engl. Lett), published by Springer. Vol. 29, pp. 431-440 (2016).
59. Raja Sreedharan, V., R. Raju, " Manager's Perception towards Critical Failure Factors of Lean Six Sigma in Manufacturing Industries using TOPSIS Approach", Asian Journal of Research in Social Sciences and Humanities, published by Asian Research Consortium. Vol. 6, Issue 3, pp. 31-44 (2016).
60. M. Nagaraj, R. Raju, V. Raja Sreedharan, "Challenges, Laws, Needs, Tools, Success and Failures of Lean Six Sigma Application: Extraction for Literature Field", Asian Journal of Research in Social Sciences and Humanities, published by Asian Research Consortium. Vol. 6, Issue 5, pp. 247-265 (2016).
61. Raja Sreedharan, V., R. Raju, R. Rajkanth, M. Nagaraj, " An empirical assessment of Lean Six Sigma Awareness in manufacturing industries: construct development and validation", Total Quality Management & Business Excellence, published by Taylor and Franics. Vol. 29, Issue 5, pp. 686-703 (2016).



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62. Raja Sreedharan, V., R. Raju, " A systematic literature review of Lean Six Sigma in different industries", International Journal of Lean Six Sigma, published by Emerald. Vol. 7, Issue 4, pp. 430-466 (2016).
  63. M.Sivasundari, Dr.K.Suryaprakasa Rao, Dr.R.Raju, "To Enhance the Capacity Flexibility in Operational Level: A Case Study from the Auto Electrical Components Manufacturer.", International Journal of Printing, Packaging & Allied Sciences,, published by International Journal of Printing, Packaging & All. Vol. 5, Issue 1, pp. 301-312 (2017).
  64. V. Raja Sreedharan, G. Sandhya and R.Raju, " Development of a green lean six sigma model for public sectors", International journal of Lean Six sigma, published by Emerald publishing limited. pp. DOI.10.1108/IJ LSS-02-2017-0020 (2017).
  65. S. Malini and R. Raju, "Exploring the moderating effects of gender on the relationship between motivation and spiritual intelligence of higher education students in India", International Journal of Educational Science, published by KRE. Vol. 21, Issue 1, pp. 79-90 (2018).
  66. Raja Sreedharan V,Vijaya Sunder M, Raju R, " Critical success factors of TQM, Six Sigma, Lean and Lean Six Sigma: a literature review and key findings", Benchmarking: An International Journal, pp. <https://doi.org/10.1108/BIJ-08-2017-0223> (2018).
  67. Rajasreedharan.V, Raju.R, Vijaya Sunder.M, Jiju Antony, "Assessment of Lean Six Sigma Readiness(LESIRE) for manufacturing industries using fuzzy logic", INternational journal of Quality & Reliability, published by Emerald publishing limited. (2019).
  68. Raji Murugan, Raju. R, "Understanding the power transformer component failures for health index- based maintenance planning in electric utilities.", Engineering Failure Analysis, published by Elsevier. Vol. 96, pp. 274-288 (2019).

## Papers Presented in Programmes

Research Papers Presented in International Programmes : 13  
 Research Papers Presented in National Programmes : 2

1. R.Saravanan A.Baratheswara nd Dr.R.Raju , "Drastic setup time reduction through Single Minute Exchange of Dies (SMED) approach – A case study. " presented in a International level conference on Exhibition of Emerging Challenges in Design and Manufacturing Technologies (ECHDEM 2007) , india .
2. R. Saravanan Dr.R.Raju , "Stochastic Natured Parallel; Hybrid Flow Shop Scheduling Problem with Commom Stages – A Case Study " presented in a International level conference on International Conference on Supply Chain Management and Information Systems , india .
3. R. Saravanan Dr.R.Raju, "A uniform Flow Natured Parallel Hybrid Flow Shop Scheduling Problem with Stochastic Processes – A Case Study " presented in a International level conference on International Conference on Fascinating Advancement in Mechanical Engineering , india .
4. R. Saravanan Dr.R.Raju, "Dispatch Rule at Intermediate Queues in a Hybrid Flow Shops Parallel Scheduling Problem " presented in a International level conference on International Conference on Advances in Industrial Engineering Applications , india .

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5. V.Jayakumar Dr.R.Raju , "Machine cell formation in a Dynamic Production Environment using Simulated Annealing " presented in a International level conference on International Conference Automotive Materials & Manufacturing - 2010 , india .
  6. Dr.R.Raju V.Mahesh Kumar , "A study and analysis of Total Quality Management in a selected Higher Education nstitution – A case study." presented in a International level conference on Product Development with Mechatronic system for Global Quality, india from 02-May-2005 to 03-May-2005.
  7. V.Jayakumar G.Kalivarathan Dr.A.Vinayagamoorthy Dr.R.Raju , "Lean Manufacturing and value stream mapping: an overview " presented in a International level conference on ATHENAEUM '08 Second International conference on management research. , india from 15-Feb-2006 to 16-Feb-2006.
  8. R.Saravanan A.Baratheswara nd Dr.R.Raju , "Manufacturing excellence through single minute exchange of die (SMED) system – A case study " presented in a National level conference on NCETET '08 National conference on emerging trends in engineering and technology. , india from 04-Apr-2008 to 05-Apr-2008.
  9. R.Saravanan A.Baratheswara nd Dr.R.Raju , "Quality improvement through P- M analysis – A case study " presented in a National level conference on National conference on advancements in manufacturing and management systems. , india from 17-Apr-2008 to 17-Apr-2008.
  10. V. Jayakumar Dr. R. Raju , "Some aspects of designing a dynamic cellular manufacturing system for deterministic and stochastic production requirements. " presented in a International level conference on International Conference on Fascinating Advancement in Mechanical Engineering (FAME2008) , india from 11-Dec-2008 to 13-Dec-2008.
  11. V. Jayakumar Dr.R.Raju , "Total Quality Management In the Academy – A critical Assessment " presented in a International level conference on International conference on Emerging Research and Advances in Mechanical Engineering ERA2009 , india from 19-Mar-2009 to 21-Mar-2009.
  12. Dr. Raju, "Development of Customized Lean Six Sigma Frame work for Ambulance Management System- Indian Scenario" presented in a International level conference on Global Illuminators Publishing, organised by TIMBER-2015, Thailand from 25-Mar-2015 to 26-Mar-2015.
  13. Gowri Rajagopal and Raju Ramasamy, "A Multilevel Risk Breakdown Structure for Drilling Process Disruption Risk for Facilitating Risk Management" presented in a International level conference on Third International Conference on Advances in Industrial Engineering Applications, organised by Anna University, India from 03-Jan-2018 to 05-Jan-2018.
  14. Ambika M. Raja, P. Mohamed Ali and R. Raju, "Influence of Quality Management Practices on Organizational Innovation – The Mediating Role of Organizational Learning Culture" presented in a International level conference on Third International Conference on Advances in Industrial Engineering Applications, organised by Anna University, India from 03-Jan-2018 to 05-Jan-2018.

15. P.Mohamed Ali, R. Raju and Ambika M Raja, "Identification of Major Barriers to TQM Implementation in Manufacturing Organizations" presented in a International level conference on Third International Conference on Advances in Industrial Engineering Applications, organised by Anna University, India from 03-Jan-2018 to 05-Jan-2018.

## Books Published

1. "Total Quality Management" authored by Dr. R. Raju and Dr. V. Jayakumar and published by Lakshmi Publications, Chennai.(2009)

## Sponsored Projects Completed

1. "Application of Industrial Engineering Techniques".. Project Cost: 25000.00.

## Programme Chaired

1. Chairman, National level seminar titled "Building Technology Centre,CEG, Anna university " conducted by CHIEF GUEST from 25-May-2005 to 25-May-2005.
2. Chairman, International level conference titled "Trends in Multidisciplinary Business and Economic Research" conducted by TIMBER 2015 from 25-Mar-2015 to 26-Mar-2015.
3. Chairman, International level conference titled "Third International Conference on Advances in Industrial Engineering Application ICAIEA 2018" conducted by Anna University from 03-Jan-2018 to 05-Jan-2018.

## Programme Attended

1. Participated in a National level workshop on "Quality Control and Reliability Engineering" organized by Centre for faculty development Anna University, India from 07-Jun-2004 to 12-Jun-2004.
2. Participated in a National level workshop on "Quantitative techniques for Research in Engineering and Technology" organized by Centre for faculty development Anna University, India from 17-Jun-2004 to 18-Jun-2004.
3. Participated in a National level workshop on "AICTE short term training programme on trends in handling technologies (THAT)" organized by Indian Institute of Technology,Madras, India from 02-Jul-2004 to 03-Jul-2004.
4. Participated in a National level workshop on "AICTE-ISTE sponsored short term training programme on strategic quality improvement methods for zero defect" organized by Thiagarajar College of Engineering, Madurai, India from 06-Dec-2004 to 18-Dec-2004.
5. Participated in a National level workshop on "Workshop on "software quality and Reliability"" organized by Centre for faculty development Anna University, India from 25-Nov-2005.

6. Participated in a International level conference on "International conference on recent advances in materials and processing(RAMP- 2006) " , India from 15-Dec-2005 to 16-Dec-2005.
7. Participated in a National level workshop on "AICTE faculty development programme on fundamentals of Nano science and Technology" organized by Department of Physics, Anna University, India from 18-Jan-2007 to 31-Jan-2007.
8. Participated in a National level workshop on "Supply Chain Management" organized by Department of Industrial Engineering, Anna University, India from 24-Sep-2010 to 25-Sep-2010.
9. Participated in a National level workshop on "Multi- criteria Decision Making" organized by Department of Industrial Engineering, Anna University, India from 08-Oct-2010 to 09-Oct-2010.
10. Attended a National level seminar on "Issues in Preparing Research Thesis and Project Proposal" organized by Department of Industrial Engineering, Anna University, India from 16-Mar-2012 to 17-Mar-2012.
11. Participated in a National level workshop on "Application of Metaheuristics for Engineering Optimization" organized by Department of Industrial Engineering, Anna University, India from 20-Mar-2012 to 21-Mar-2012.
12. Participated in a International level conference on "Implementing Lean in A Small Scale Ice cream Manufacturing Industry" organized by Indra Ganesan College of Engineering, India from 11-Apr-2014 to 12-Apr-2014.
13. Participated in a International level conference on "Productivity Improvement in Shoe making Industry by using method study" organized by Indra Ganesan College of Engineering, India from 11-Apr-2014 to 12-Apr-2014.
14. Participated in a International level conference on "Impact of IT Infrastructure availability service level agreements and need for the service centric approach and analytics in healthcare" organized by Academic Science and Conference Info, India from 01-Mar-2015 to 01-Mar-2015.
15. Participated in a International level conference on "Implementation of Lean in Heavy Vehicle Assembly Plant" organized by Muthayammal College of Engineering,Rasi puram,Namakkal Dt, India from 05-Mar-2015 to 06-Mar-2015.
16. Participated in a International level conference on "Second International Conference On Engineering Technology and Science" organized by Anna University, India from 05-Mar-2015 to 06-Mar-2015.
17. Participated in a International level conference on "Defect Analysis in a Ballast Manufacturing Industry using Quality Tools" organized by Muthayammal College of Engineering,Rasi puram,Namakkal Dt, India from 05-Mar-2015 to 06-Mar-2015.
18. Participated in a International level conference on "Application of Classification Technique and sentiment Analysis Based Text Analytics to the patient Feedback Management System" organized by Academic Science and Conference Info, New Delhi, India from 17-May-2015 to 17-May-2015.

## Honours

1. "CAMTECH – BITS " given by BITS from India (1997).
2. "Quality Culture Award" given by Quality Institute, NDLS (2002).
3. "Best Paper" given by Institution of Industrial Engineering (2004).
4. "Best Paper" given by Institution of Industrial Engineering (2007).

## Experience Abroad

1. Visited Trends in Multi disciplinary Business and Economic Research, THAILAND from 25-Mar-2015 to 27-Mar-2015. Purpose of visit :conference.

## Invited Lectures

1. Delivered a Lecture on "Production and Inventory Decisions" organized by AU-TVS centre for Quality Management, Anna Univers, Tamil Nadu (24-May-2007).
2. Delivered a Lecture on "Employer - Employee relationship" organized by Building Technology Centre, CEG, Anna University, Tamil Nadu (25-May-2007).
3. Delivered a Lecture on "Developing team work" organized by NIT Trichirappalli, Tamil Nadu (06-Oct-2007).
4. Delivered a Lecture on "Team Building" organized by Velammal College of Management and Computer Studie, Tamil Nadu (30-Apr-2008).
5. Delivered a Lecture on "Entrepreneurship awareness Programme" organized by Adhiparasakthi Engineering College, Melmaruvathur, Tamil Nadu (12-Mar-2009).
6. Delivered a Lecture on "Technical Symposium " organized by Dr. Pauls Engineering College, Tamil Nadu (13-Mar-2009).
7. Delivered a Lecture on "National Level Technical Seminar on Electronics and Communication Engineering" organized by IFET Engineering college, Villupuram, Tamil Nadu (18-Apr-2009).
8. Delivered a Lecture on "AKT Science- 10" organized by AKT Memorial College of Engineering and Technology, Tamil Nadu (10-Apr-2010).
9. Delivered a Lecture on "In Plant Training" organized by Sri Aravindar Engineering College, Sedarapet, Vanu, Tamil Nadu (03-Jul-2010).
10. Delivered a Lecture on "Seminar on "Knowledge Management"" organized by SKR Engineering College, Chennai-600 123, Tamil Nadu (17-Jul-2010).
11. Delivered a Lecture on "Technical Symposium on Mechanical Engineering "VALCONOZ-10"" organized by Kongunadu College of Engineering & Technology, Tamil Nadu (12-Aug-2010).

12. Delivered a Lecture on "Inaugural function of Mechanical Engineering Students Association(MESA)" organized by Surya Group of Institutions, School of Engineering, Tamil Nadu (23-Sep-2010).
13. Delivered a Lecture on "Recent Trends in Industrial Engineering as applied to Manufacturing , Service and allied sectors- IEMSA 2011" organized by Dayananda Sagar College of Engineering, , Bangalore. (20-Oct-2011).
14. Delivered a Lecture on "APEX Steering Committee on Quality Circles " in Quality circle Annual Meet organized by IGCAR, Tamil Nadu (25-Aug-2014).
15. Delivered a Lecture on "Implementing quality concepts in technical engineering education in TQM perspective" in Guest Lecture for principals organized by Annamacharya Institute of Technology & Sciences, Tirupati (01-Aug-2015).
16. Delivered a Lecture on "Alumni Day Speech" in Alumni Day organized by P.T. Lee Chengalvaraya Naicker Polytechnic college, chennai (15-Aug-2015).
17. Delivered a Lecture on "Chief Guest Speech" in Independence day prize distribution ceremony organized by KCG College of Technology , chennai (25-Aug-2015).