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Present Position

Professor, Department of Industrial Engineering, College of Engineering Guindy, Anna University, Chennai from December-2003.

Previous Positions

- Lecturer, , College of Engineering Guindy, Anna University, Chennai from August-1978.

Previous Additional Responsibility

- Head Of The Department, Department of Industrial Engineering, Anna University, Chennai during November-2008 and February-2012.
- Coordinator, AU-TVS Centre for Quality Management, Anna University, Chennai.

Other Employment

- GRADUATE TRAINEE, NTTF TOOL ROOM, VELLORE for 1 year.

Degree

- ❖ M.E. in INDUSTRIAL ENGINEERING , COLLEGE OF ENGINEERING, ANNA UNIVERSITY, CHENNAI (1979 - 1982).
- ❖ B.E. in MECHANICAL ENGINEERING , ALAGAPPA COLLEGE OF ENGG & TECH,KARAIKUDI, MADURAI (1972 - 1977).

Research Degree

- ❖ Ph.D. in INDUSTRIAL ENGINEERING from Faculty of MECHNICAL, ANNA UNIVERSITY, CHENNAI, ANNA UNIVERSITY (1993 - 1999).
Title: DESIGN OF KANBAN SYSTEM USING SIMULATED ANNEALING, TABU SEARCH AND GENETIC ALGORITHMIS.

Research Guidance

Number of Ph.D Scholars Guided	: 8
Number of Ph.D Scholars Guiding	: 4
Number of M.E./ M.Tech. Projects Guided	: 56
Number of M.E./ M.Tech. Projects Guiding	: 2

Papers Published in Journals

Research Papers Published in International Journals	: 38
Research Papers Published in National Journals	: 0

1. Sanjeevei V, Shahabudeen P, "Optimal routing for efficient municipal solid waste transportation by using ArcGIS application in Chennai, India", WASTE MANAGEMENT & RESEARCH , Vol. 34, pp. 11-21
2. Shahabudeen P., Krishnaiah K.,, " Design of bi-criteria kanban system using Genetic Algorithm", Computers and Industrial Engineering, Vol. 15, pp. 257-274 (1998).
3. Krishnaiah.K, " Petrinet approach to manufacturing Simulation", Industrial Engineering, pp. 23-26 (1998).
4. Gopinath.M, " Design of bi-criteria kanban system using simulated annealing", Computers and Industrial Engineering, Vol. 41, Issue 4, pp. 355-370 (2002).
5. Shahabudeen, P., Krishnaiah, K., Thulashi Narayanan, M.T., " Design of a Two-Card Kanban System Using a Simulated Annealing ", International Journal of Advanced Manufacturing Technology , Vol. 21, Issue 10, pp. 754-759 (2003).
6. Robert, T.P., Shahabudeen, P., "Genetic algorithms for cost-effective maintenance of a reactor-regenerator system ", International Journal of Advanced Manufacturing Technology , Vol. 23, Issue 11, pp. 846-856 (2004).
7. Shahabudeen P, Jeyapaul R and Krishnaiah K, " Quality Management Research By Considering Multi Response Problems in Taguchi Method - A Review", Intl. J of Advanced Manufacturing Technology, Vol. 26, pp. 0 (2005).
8. Antony Michael Raj L., Shahabudeen P, " Optimization of Distribution Process in a Continuous Credit Based Consumer Goods Supply Chain", Intl. J of Logistics Systems and Management, Issue 2, pp. 142 - 159 (2006).
9. Senthilkumar. P and Shahabudeen. P, " GA based heuristic for Open shop scheduling problem", Intl. J of Advanced Manufacturing Technology, Vol. 30, pp. 297 - 301 (2006).
10. Jeyapaul. R, Shahabudeen. P and Krishnaiah.K, " Simultaneous Optimization of Multi response problems in the Taguchi method using Genetic Algorithm", Intl. J of Advanced Manufacturing Technology, Vol. 30, pp. 870 - 878 (2006).
11. Sivakumar.G.D. and Shahabudeen.P, " Design of Multi-stage adaptive Kanban system", Intl. J of Advanced Manufacturing Technology, Vol. 38, Issue 3, pp. 321 - 336 (2007).

12. Rajeswari N and Shahabudeen P and, " Meta Heuristic Approach to Schedule Bi-criteria parallel flow line problems", Intl. J of Applied Management and Technology, Vol. 5, Issue 2, pp. 136 - 146 (2007).
13. Antony Michael Raj L and Shahabudeen P, " The optimal Investment in FMCG Distribution Process with Continuous Delay of Payment", Intl. J of Logistics Economics and Globalisation, Vol. 1, Issue 1, pp. 34 - 48 (2007).
14. Rajkumar.R, Shahabudeen.S, "An Improved Genetic Algorithm for the Flowshop Scheduling Problems", IJPR, Vol. 47, Issue 1, pp. 233-249 (2008).
15. Sivakumar.G.D. and Shahabudeen.P, " Design of single stage adaptive kanban system using GA", Intl J of Services and Operations Management, Vol. 4, Issue 1, pp. 125-144 (2008).
16. Shahabudeen.P and Sivakumar.G.D., " Algorithm for the design of Single stage adaptive KANBAN SYSTEM", Computers and Industrial Engineering, Vol. 54, Issue 4, pp. 800-820 (2008).
17. Rajkumar.S AND Shahabudeen.P, " Scheduling jobs on flowshop environment with mean flow time objective", IETECH Journal of Mechanical Engineering, Vol. 2, Issue 1, pp. 11-19 (2008).
18. Rajkumar.S and Shahabudeen.P, " Tri- criteria Flowshop Scheduling problem using improved GA ", Intl J for Manufacturing Science and Technology , Vol. 10, pp. 51-60 (2008).
19. Rajmohan.S and Shahabudeen.P, " Heuristic for solving routing problem in supply chain management", Intl. J of Applied of applied decision sciences, Vol. 1, Issue 2, pp. 153-178 (2008).
20. Rajmohan.S and Shahabudeen.P, " Genetic algorithm based approach for vehicle routing problem with time windows", Intl J of Logistics systems and management, Vol. 4, Issue 3, pp. 338-365 (2008).
21. Sivakumar.G.D., Shahabudeen.S, "Algorithms for the design of multi stage adaptive Kanban system", IJPR, Vol. 47, Issue 23, pp. 6707-6738 (2009).
22. Sivakumar.G.D. and Shahabudeen.P, " Design of Multi stage Adaptive kanban system using simulated annealing", Intl J of Manufacturing Research, Vol. 4, Issue 1, pp. 95-116 (2009).
23. Rajkumar.R and Shahabudeen.P, "Schdeduling Jobs on Flowshop EnvironmentApplying Simulated Annealing Algorithm", Intl J of Services and Operationsand Informatics, Vol. 4, Issue 3, pp. 212-231 (2009).
24. Rajkumar.R and Shahabudeen.P, " Bi-criteria Improved Genetic Algorithm for Scheduling in Flow shops to Minimize the Makespan and Total Flowtime of Jobs ", Intl J of Computer Integrated Manufacturing, Vol. 22, Issue 10, pp. 987-998 (2009).
25. Rajmohan.S and Shahabudeen.P, " A Case based efficient Routing plan for a third party logistics service provider ", Intl J of Logistics and Supply chain management, Vol. 1, Issue 1, pp. 1-13 (2009).

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26. Rajeswari.N and Shahabudeen.P, " Bicriteria Parrellel Flow line Scheduling using Hybrid Population based Heuristics", Intl J of Advanced Manufacturing Technology, Vol. 43, Issue 7, (2009).
 27. Rajmohan.S and Shahabudeen.P, " Metaheuristics for solving Routing Problem in Logistics Management", Intl J of Business Perfomance Management, Vol. 4, Issue 9, (2009).
 28. Rajmohan.S ,Shahabudeen.P and Kannan.G, " The Design of vechicle routs for the third party logistics service provider using the SA", Intl J of Business Perfomance Management, Vol. 11, Issue 1, (2009).
 29. Omkumar.M,Shahabudeen.P ,Gughan.S and Azad, " GA Based static scheduling of multilevel assembly job shop", Intl J of Operations Research, Vol. 4, Issue 2, pp. 197-213 (2009).
 30. Antony Michael Raj L and Shahabudeen P, " Replenishment policies for sustainable business devolpment in a continuous credit based vendor managed inventory distribution system", Computers and Industrial Engineering, Vol. 56, pp. 260-266 (2009).
 31. Omkumar.M and P.Shahabudeen, " Ant Colony Optimisation for multi-level assembly job shop scheduling", Intl J of Manufacturing Research, Vol. 4, Issue 4, pp. 410-427 (2009).
 32. Rajkumar.R, Shahabudeen.S, " Scheduling Jobs on Flow shop environment applying simulated annealing algorithm", Industrial Engineering, (2011).
 33. Sheik Mansoor.AK, Shahabudeen.S, "Astudy on Key Performance Indicators and their influnce on customer satistification in call centers", Int J of Economic Research, Vol. 9, Issue 2, pp. 491-501 (2012).
 34. Sivasankaran.P., Shahabudeen.P, " Modelling Hybrid Single Model Assembly Line Balancing Problem", Udyog Pragati, (2013).
 35. Sivasankaran.P., Shahabudeen.P, " Literature review of assembly line balancing problems", International Journal of Advanced Manufactorying Technology, pp. 9-12 (2014).
 36. Sivasankaran P, Shahabudeen, P, "Study and Analysis of GA-Based Heuristic Applied to Assembly Line Balancing Problem", JOURNAL OF ADVANCED MANUFACTURING SYSTEMS, Vol. 13, pp. 113-131 (2014).
 37. Sanjeevi V, Shahabudeen, P, "Development of performance indicators for municipal solid waste management (PIMS): A review", WASTE MANAGEMENT & RESEARCH , Vol. 33, pp. 1052-1065 (2015).
 38. Sanjeevi V, Shahabudeen P, "Optimal routing for efficient municipal solid waste transportation by using ArcGIS application in Chennai, India", WASTE MANAGEMENT & RESEARCH , Vol. 34, pp. 11-21 (2016).

Books Published

1. "DISCRETE EVENT SYSTEMS SIMULATION" - 2007th edition authored by JERRY BANKS, JERRY BANKS and JOHN S CARSON and published by PEARSON, DELHI.

2. "APPLIED DESIGN OF EXPERIMENTS AND TAGUCHI METHODS" authored by K.KRISHNAIAH and P.SHAHABUDEEN and published by PHI, DELHI.(2012)

Programme Chaired

1. Co Chairman, International level conference titled "Intl Conf on Advances in Industrial Engg Application ".

Programme Organized

1. CO CHAIR, International level conference on "Intl Conf on Advances in Industrial Engg Application " from 06-Jan-2010 to 08-Jan-2010.
2. CO CHAIR, International level conference on "II Intl Conf on Advances in Industrial Engg Application " from 06-Jan-2014 to 08-Jan-2014.

Experience Abroad

1. Visited UNIVERSITY OF PASSAU, GERMANY from 18-Nov-2013 to 30-May-2014. Purpose of visit :VISITING PROFESSOR.
2. Visited University of Passau, Germany from 16-Nov-2015 to 27-Nov-2015. Purpose of visit :Visiting Professor.

Invited Lectures

1. Delivered a Lecture on "APPLICATION OF SIMULATION IN MANUFACTURING" in INTERNATIONAL SIMULATION CONFERENCE 2013 organized by IIT, MADRAS, CHENNAI (22-Feb-2013).