

K.GANESAN

Asst. Professor

Official address

Department of Mechanical Engineering,

Amrita School of Engineering,

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Education

A.M.I.Mech.E	Mechanical Engineering	1985	Institution of Mechanical Engineers (India)
M.E.	Production Engineering	1987	Annamalai University
P.G.Diploma	Labour Law with Administrative Law	1993	Annamalai University
P.G.Diploma	Personnel Management	1993	Annamalai University
Ph.D	Production Engineering	Doing	Bharathiar University

Experience

Asst. Professor, 01-07-2004 to Till date, Amrita School of Engineering, Coimbatore

Senior Lecturer, 01-09-1998 to 31-06-2004, Amrita School of Engineering, Coimbatore

Lecturer 10-06-1996 to 01-09-1998, Amrita School of Engineering, Coimbatore

Lecturer 17-06-1992 to 06-06-1996, Tamilnadu College of Engg, Coimbatore –641 409

Lecturer 16-10-1989 to 16-06-1992, Arulmigu Meenakshiamman College of Engg.,
Vadamavandal –604 410.

Production Supervisor 02-01-85 to 24-07-87 Empire Industries, Coimbatore-641 045

Subjects Taught

Design for Manufacture and Assembly
Production Drawing and Cost Estimation
Automobile Engineering
Basic Mechanical Engineering
Engineering Drawing
Machine Drawing
Machine Design
Theory of Machines
Engineering Metallurgy
Production Technology
Heat and Mass Transfer
Power Plant Engineering
Refrigeration and Air Conditioning

Areas of Interest

Tolerance Design
Dimensional Management
Design for Manufacture and Assembly

Automobile Engineering

Publications

Papers Presented in National Conferences

1. Ganesan. K., Vishnukumar C.H., and Mohanram P.V., “Tolerance Synthesis: A comparative study”, Proceedings of *National Conference on Computer Integrated Design and Manufacturing*, Amrita Institute of Technology and Science, Coimbatore, pp: 355-362, May 14 -15, 2001, pp 355-362.
2. Ganesan. K., Vishnukumar CH and Mohanram P.V., “Extension of DBD algorithm for Tolerance Analysis” Proceedings of *2nd National Conference on Precision Engineering*, PSG College of Technology, Coimbatore, Jan. 11 –12, 2002, pp: 245-362.
3. Ganesan. K., and Ilangovan S., “An Overview of High Speed Machining”, Proceedings of *National Conference on World Class Manufacturing*, Amrita Institute of Technology and Science, Coimbatore, pp: 76-81, May 7 -9, 2003, pp 76-81.
4. Sivadhayanithy M., Sugumaran V., Ganesan K. and Ravikumar L., "Material Selection of Polymers for Electrical Engineering Applications using Neural Networks", " Proceedings of 2nd National Conference on *Computer Integrated Design and Manufacturing*", 28-29, Nov. 2003, Amrita Institute of Technology, Coimbatore, pp197-201.
5. Velumani A. and Ganesan K., “Eco-friendly Waste Management – EM Technology”, Proceedings of “*Indian Environmental Congress 2003*”, Dec. 20-21, 2003, held at Karpagam Polytechnic College, Coimbatore.
6. Sivadhayanithy M., Sugumaran V., Ganesan K. and Ravikumar L., “Intelligent Selection Process of Engineering Thermo Plastics”, *Proceedings of National Symposium on Engineering Polymers: Applications and Technology- (EPAT 2003)*, December 18 - 19, 2003, Amrita Institute of Technology, Coimbatore.
7. Saravanan S., Pradeep V, Ganesan K., and Mohanram P.V., Study on tolerance stackup analysis, prediction of assembly variation and cost optimization in precision assemblies, Proceedings of National conference on Modeling and Analysis of Production systems (MAPS 2004) NIT, Trichy, January 2004.
8. Kumarvel K., Sanjeev Kumar S.V., Ganesan K. and Mohanram P.V., “Analysis of Centrality and its Incorporation in TTRS Representation”, Proceedings of National Conference on *Challenges in Achieving Global Quality*, May, 2004. Organized by Department of Mechanical Engineering, Thiagarajar College of Engineering, Muduari, pp 541-547.
9. Velumani A., Monica Bhatnagar and Ganesan K., “A Study on Settling Characteristics of Industrial Activated Sludge”, Proceedings of National Conference on *Environmental Conscious Design and manufacturing-Issues and Challenges*, Proceedings of 23-24, July, 2004, Kumaraguru College of Technology, Coimbatore.

10. Velumani A Ganesan K., and Nalina .P “Fenton treatment on textile waste water” Proceedings of *National conference on Water vision 2004*, 6-8 October 2004 by P.S.G.R. Krishnammal college for women, Coimbatore.
11. Velumani A and Ganesan K, “Physical properties of Neemnut” “Proceedings of 16th *Indian convention of Food Scientist and Technologies - 2004*, 9-10 December 2004 by Central Food technological Research Institute, Mysore.
12. Velumani A and Ganesan K “Fabrication of Neemnut Decorticator” “ Proceedings of 16th *Indian convention of Food Scientist and Technologies - 2004*, 9-10 December 2004 by Central Food technological Research Institute, Mysore.
13. Velumani A and Ganesan K “Defatted Neemkernel powder on pest control” Proceedings of 16th *Indian convention of Food Scientist and Technologies - 2004*, 9-10 December 2004 by Central Food Technological Research Institute, Mysore.
14. Ganesan K, Kumaravel K and Mohanram P.V, Robust Tolerance Design Through Computer Simulation, 21st AIMTDR conference, Vellore Institute of Technology, Dec 20-22, 2004, pp 783-788.
15. Velumani A., Ganesan K. and Sugumaran V., “Importance of Industrial Training in Engineering Curriculum” Proceedings of the *Institution of Engineering Mechanical Engineering Division Annual Convention and National Seminar on Recent Trends in Mechanical Engineering*, National Institute of Technology, Kurushtra March 29-30, 2005, pp.
16. Ganesan K., Ashok Vamsi K., and Mohanram P.V., “Robust Assembly Tolerance Allocation Using Genetic Algorithm” Proceedings of the National Conference on Globally Competitive Eco-friendly Technologies in Mechanical and Mechatronics Engineering GETME 2005, Kongu College of Engineering, April 15-16, 2005.
17. Ganesan K and Velumani A “Studies on Municipal Solid Waste Management” Proceedings of *National Conference on Solid and Hazardous Waste Management: Problems and Solutions* 28-29 April 2005, Organized by International Development Foundation, New Delhi.
18. Ganesan K., Ashok Vamsi K., and Mohanram P.V., Robust Assembly Tolerance Allocation through Multiobjective Optimization” Proceedings of the *National Conference on Advances in Engineering Design*, Bannari Amman Institute of Technology, April 29-30, 2005, pp 968-975.

Papers Presented in International Conferences

1. Ganesan K., Suresh R.K., Mohanram P.V., and Vishnu Kumar CH., “Optimum Tolerance Allocation and Process Selection Using Simulated Annealing”, Proceedings of *International Conference on Mechanical Engineering (ICME 2001)*, BUET, Dhaka, Dec 26-28, VI, pp 201-205.
2. Velumani A., and Ganesan K., An Eco-friendly System for Environmental Issues, 2nd International Conference on *Logistics and Supply Chain Management (ILSCM 2004)*, 3-5, August, 2004, PSG College of Technology, Coimbatore, pp 105 .
3. Ganesan K., V.Sugumaran, Mohemad Ismail, and P.V.Mohanram, Knowledge based system for tolerance assignment, Proceedings of International conference on

Advances in materials, Product Design and Manufacturing systems, ICPME 2005, Bannari Amman Institute of Technology, Sathy, 12-14, Dec 2005, pp 718-724

4. Ganesan K., and P.V.Mohanram, Reduction of surplus parts by equal area partitioning in selective assembly, Proceedings of International conference on Advances in Materials, Product Design and Manufacturing systems, ICPME 2005, Bannari Amman Institute of Technology, Sathy, 12-14, Dec 2005, pp 917-923
5. Velumani A., Ganesan K. and Meenakshi P., Life Cycle Analysis of Solid Waste Management, International Interdisciplinary Conference on Sustainable Technologies for Environment Production (*ICSTEP 2006*), 7-9, January, 2006, Coimbatore Institute of Technology, Coimbatore, pp 105.
6. Ganesan K and Mohanram P.V., "Tolerance Optimization Based on Axiomatic Quality", 22nd International conference on CAD/CAM Robotics of the Future, Vellore Institute of Technology, 19-22 July, 2006, pp 851-858.
7. Ganesan K and Mohanram P.V., "Supplier Selection in Context of the Supply Chain Management", 3rd International Conference on *Logistics and Supply Chain Management (ILSCM 2006)*, 2-4, August, 2006, PSG College of Technology, Coimbatore, pp 48.

Papers Published in Journals

1. Velumani A., and Ganesan K., "Industrial Training in Engineering Curriculum", *The Journal of Engineering Education*, Vol. XIX (1), July, 2005, pp 9-15.

Book Published

Textbook on "*Basic Mechanical Engineering*", Pradeepa Publisher, Coimbatore, 1999

Courses Organized

- Organized a two weeks AICTE ISTE STTP on "*Design of Turbo Machines with Special Emphasis on Pump and Blower Design*" during Oct 28 to Nov 8, 2001.
- Organized a two days Workshop on "*Advances in the Design of Pumps and Blowers*" during Nov 1 & 2, 2001.
- Organized a one-week AICTE ISTE collaborative STTP on "*Recent Trends in Press Tool Design and Die Casting Techniques*" during March 31 to April 5, 2003.
- Organized a national Conference on "*World Class Manufacturing*", May 7-9, 2003 as one of the organizing secretary.
- Organized a two week AICTE ISTE Sponsored STTP on *Sustainable Development through Green Manufacturing*, during March 28 to April 10, 2004.
- Organizing a two week AICTE ISTE Sponsored STTP on *Clean Production Technologies for Sustainable Development*, during march 29-April 8, 2005.

Membership of Scientific and Professional Societies

- Indian Society for Technical Education,

- Institution of Engineers (India),
- Society of Automotive Engineers

Presently

- Serving as member, Board of Studies for Faculty of Engineering, Avinashilingam Deemed University, Coimbatore-641 043, since 2003.
- Selected as council member, Institution of Engineers, Local Chapter Coimbatore for the year 2007-2008.