

## Objective

### Dr. M. GANESAN



To work as an enthusiastic, hardworking and honest professional in a competent environment that enables me to widen my knowledge with the emerging trends of technology.

## Academic Chronicle

Course	Institution	Board / University	Year of Passing	Marks Obtained
Ph.D. (Mechanical Engineering)	PRIST University, Tanjore.	PRIST University, Tanjore.	2016	Commended
M.E. (CAD / CAM)	J. J. College of Engineering & Technology, Trichy.	Anna University, Trichy.	2010	I Class CGPA - 8.217
B.E. (Mechanical Engineering)	J. J. College of Engineering & Technology, Trichy.	Bharathidasan University, Trichy.	2001	I Class 67 %

### MOBILE NO

98658-64040

### E-MAIL ID

armganesan@gmail.com

### ADDRESS FOR COMMUNICATION

No. 72, Siva Finance Building,  
Main Road,  
Sangliyandapuram,  
Trichy - 620 001.  
Tamil Nadu.

### PERSONAL PROFILE

Date of Birth : 05.03.1980  
Gender : Male  
Nationality : Indian  
Religion : Hindu  
Marital Status : Married  
Languages : Tamil, English

## Software Skills

- CNCEZ-TURNING
- CNCEZ-MILLING
- CAESAR
- CAE PIPE
- STAAD / PRO
- PRO/E
- CREO
- ANSYS
- Auto CAD
- MS-OFFICE
- Traditional Optimization Techniques

## ***Experience***

- **Asst. Professor / Mechanical Engineering** in Saranathan College of Engineering, Trichy-12 during the year 2014 - Till date.
- **Asst. Professor / Mechanical Engineering** in J. J. College of Engineering & Technology, Trichy-9 during the year 2012 - 2014.
- **Vice-Principal cum Sr. Lecturer / Mechanical Engineering** in Shivani Polytechnic College, Trichy-9 during the year 2005 - 2011.
- **Executive Engineer (Part Time)** in Cethar Vessels (P) Ltd., Trichy during the year 2003 - 2005.
- **H.O.D. / Mechanical Engineering** in Infant Jesus Polytechnic College, Trichy-9 during the year 2001 - 2005.

## ***Publications in International/National Journals***

**Total No. of Journals: 18**

1. Mahesh, G, Murugu Mohan Kumar, K, Bharathi Raja, S, Baskar, N & **Ganesan, M** 2017, 'Experimental Investigation and Optimization of Hardness in Sand Casting process by using the Design of Experiments approach', Applied Mathematics & Information Sciences, vol. 11, no. 3, pp. 931-938. Impact Factor: 0.94 (**Anna University, Annexure-I**)  
**(Scopus & Google Scholar)**
2. Jeya Prakash, D, Vijaya Kumar, P, Renuka Devi, P, **Ganesan, M** & Baskar, N 2017, 'Optimization of Electrical Discharge Machining Parameters for Machining of Titanium Grade 2 using Design of Experiments approach', International Journal of Mechanical Engineering and Technology, vol. 8, no. 4, pp. 413-423. Impact Factor: 9.2286  
**(Scopus, Thomson Reuters & Google Scholar)**
3. Kannan, TTM, Vijaya Kumar, P, **Ganesan, M** & Pulidthevan, A 2017, 'Evaluation of Axial Shortening of Friction Welded Joints of EN-24 and ETP-Copper Cylindrical Rounds using DOE Concept', Journal of Manufacturing Engineering, vol. 12, no. 1, pp. 33-36.  
**(Google Scholar)**

4. Balasubramanian, S, Akash, R, Alagappan, P, Farookahamed, T, Mahesh, G & **Ganesan, M** 2017, 'Experimental analysis of Turning Process in CNC Lathe using Nano Fluid as a Coolant', International Journal of Advanced Research Methodology in Engineering & Technology, vol. 01, no. 02, pp. 140-145. (**Google Scholar**)
5. Ranjith Raj, A, Reginald Elvis, P, Kumar, R, Karthikeyan, S & **Ganesan, M** 2016, 'Experimental Investigation of Titanium Based Crank Shaft using Finite Element Method', International Journal of Innovative Research in Technology, vol. 03, no. 02, pp. 222-225. Impact Factor: 2.1 (**Google Scholar**)
6. Ranjith Raj, A, Reginald Elvis, P, Kumar, R, Karthikeyan, S & **Ganesan, M** 2016, 'Modeling and Stress Analysis of Crank Shaft using FEM', International Journal of Engineering Research and Management, vol. 03, no. 05, pp. 166-170. Impact Factor: 2.37 (**Google Scholar & Thomson Reuters**)
7. Dhiliepan, R, Abdul Hakkem, A, Balasubramaniam, R.S, **Ganesan, M**, Karthikeyan, S & Baskar, N 2016, 'Optimization of Drilling Parameters for Improving Material Removal Rate on Teflon using Taguchi Design', International Journal of Advanced Research in Management, Architecture, Technology and Engineering, vol. 02, no. 02, pp. 407-420. Impact Factor: 4.231 (**Google Scholar**)
8. **Ganesan, M** & Marimuthu, P 2016, 'Experimental Investigation of Tensile Strength Behavior on Friction Welded Austenitic Stainless Steel Grade 304L Joints', International Journal of Applied Engineering Research, vol. 11, no. 2, pp. 1251-1255. (**Google Scholar & Scopus**)
9. **Ganesan, M** & Marimuthu, P 2015, 'Experimental Evaluation and Analysis of Tensile Strength Behaviour on Friction Welded AISI 4340 Steel Joints Using Design of Experiments', International Journal of Engineering Research and Management, vol. 2, no. 12, pp. 32-35. Impact Factor: 2.37 (**Google Scholar & Thomson Reuters**)
10. **Ganesan, M** & Marimuthu, P 2015, 'Effect of Axial Shortening on Friction Welded AISI 304L Stainless Steel Joints', International Journal of Applied Engineering Research, vol. 10, no. 55, pp. 4044-4047. (**Anna University, Annexure-II**) (**Google Scholar & Scopus**)
11. **Ganesan, M** & Marimuthu, P 2015, 'Prediction of Axial Shortening on Friction Welding of AISI 4340 Steel Joints using Design of Experiments', International Journal of Applied Engineering Research, vol. 10, no. 55, pp. 3927-3931. (**Anna University, Annexure-II**) (**Google Scholar & Scopus**)

12. Sathiya Narayanan, N, **Ganesan, M**, Prem Kumar, V, Vijayakumar, P & Baskar, N 2015, 'Application of Taguchi Method for Optimizing Surface Roughness in CNC Turning of EN 8 Steel', International Journal of Innovative Research in Technology, vol. 01, pp. 440-445. Impact Factor: 2.1 (**Google Scholar**)
13. Reginald Elvis, P, Karthikeyan, S, **Ganesan, M**, Paramaguru, S & Amarnath, K 2015, 'A Study on Influence of Drilling Parameters on Surface Roughness in Machining of AA2219-TIB2/ZRB2 IN-SITU Metal Matrix Composite', International Journal of Innovative Research in Technology, vol. 01, pp. 412-418. Impact Factor: 2.1 (**Google Scholar**)
14. Sathiya Narayanan, N, **Ganesan, M**, Prem Kumar, V, Vijayakumar, P & Baskar, N 2015, 'Constrained Machining Parameters Optimization of EN8 Steel using Taguchi Approach', International Journal of Innovative Research in Technology, vol. 01, pp. 262-267. Impact Factor: 2.1 (**Google Scholar**)
15. **Ganesan, M**, Karthikeyan, S & Karthikeyan, N 2014, 'Prediction and Optimization of Cylindrical Grinding Parameters for Surface Roughness Using Taguchi Method', IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), pp. 39-46. (**Google Scholar**)
16. Antony Luki, A & **Ganesan, M** 2014, 'Flow Analysis and Characteristics Comparison of Double Pipe Heat Exchanger Using Enhanced Tubes', IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), pp. 16-21. (**Google Scholar**)
17. Kannan, TTM, Hussain Lal, A, **Ganesan, M** & Baskaran, R 2013, 'Study and Overview about Molecular Manufacturing System', International Journal of Mechanical Engineering and Robotics Research, vol. 02, pp. 193-201. Impact Factor: 0.565 (**Google Scholar**)
18. Kannan, TTM, **Ganesan, M**, Baskaran, R & Karthikeyan, S 2013, 'Studying Machinability Characteristics of Maraging Steel during Turning using CBN and TiAlN Tool Insert', Journal of Engineering Today, vol. XIV, pp. 35-42. (**E-ISRJC**)

### ***Publications in International/National Conferences***

#### **Total No. of Conferences: 17**

1. Balakrishnan, S, **Ganesan, M**, Paramaguru, S, Baskar, N, Kannan, TTM, Jegan, M, Veeravarman, P, Sheik Abdullah, M & Prabakar, K.S 2017, 'Heat Transfer Enhancement through Twisted tape Insert using Nano Fluids', Proceedings of the International Conference on Computing, Communication and Automation, Indra Ganesan College of Engineering, Trichy. pp. 1-5.

2. Karthikeyan, S, Baskar, N, **Ganesan, M**, Senthilnathan, M, Sudharsan, R, Sundarapandian, N & Suresh, J 2017, 'Process Evaluation and Optimization of Friction Welding Parameters on Aluminium 6061 using Design of Experiments Approach', Proceedings of the International Conference on Futuristic Innovations in Mechanical Engineering and Manufacturing Engineering and Manufacturing Management, M. Kumarasamy College of Engineering, Karur. pp. 60.
3. Moorthy, M, Mathanbabu, R, Kumaresan, E, Maria Jackson, A, **Ganesan, M** & Baskar, N 2017, 'Effect of Milling Process Parameters for Machining Time on Aluminium Silicon Carbide Composite using Design of Experiments Approach', Proceedings of the International Conference on Newer Engineering Concepts & Technology, K. Ramakrishnan College of Technology, Trichy. pp. 200.
4. Manikandan, M.B.M., Albert, D, Kathir Selvan, S, Kishore Kumar, P, Ranjith Raj, A, Suresh Babu, R, Sathiya Narayanan, N, **Ganesan, M** & Baskar, N 2017, 'Experimental Evaluation and Optimization of Low Carbon Steel by using Design of Experiments Approach', Proceedings of the International Conference on Newer Engineering Concepts & Technology, K. Ramakrishnan College of Technology, Trichy. pp. 200.
5. Jeya Prakash, D, Vijaya Kumar, P, Baskaran, R, Karthikeyan, S, **Ganesan, M** & Baskar, N 2017, 'A Review Paper on Electrical Discharge Machining Process', Proceedings of the National Conference on Cutting Edge Innovations in Engineering and Technology, Cheran College of Engineering, Karur.
6. Sathiya Narayanan, N, Baskar, N & **Ganesan, M** 2017, 'Multi Objective Optimization of Machining Parameters for Hard Turning OHNS Material using Genetic Algorithm', Proceedings of the International Conference on Emerging Trends in Materials & Manufacturing Engineering, National Institute of Technology, Tiruchirappalli, pp. 150.
7. Manikandan, M.B.M., Albert, D, Kathirselvan, S, Kishore Kumar, P, Suresh Babu, R, Sathya Narayanan, N, **Ganesan, M** & Baskar, N 2017, 'Process Evaluation and Optimization of Drilling Parameters using Design of Experiments Approach', Proceedings of the International Conference on National Development through Innovations in Management, Science and Technology, SASTRA University, Thanjavur.
8. Sathiya Narayanan, N, Baskar, N, Jenarathanan, M.P., **Ganesan, M**, Manikandan, T & Praveen, S 2017, 'Modelling and Prediction of Metal Removal Rate for Turning OHNS/AISI H13 Steel using RSM and ANN', Proceedings of the International Conference on National Development through Innovations in Management, Science and Technology, SASTRA University, Thanjavur.

9. Maria Jackson, A, Baskar, N, **Ganesan, M**, Moorthy, M, Mathanbabu, R & Kumaresan, E 2017, 'Effect of Process Parameters on the Milling of AISI 1040 Steel Using Design of Experiments Approach', Proceedings of the International Conference on Recent Advances in Mechanical Engineering, Government College of Engineering, Salem. pp. 43.
10. Balasubramanian, S, Akash, R, Alagappan, P, Farookahamed, T, Mahesh, G & **Ganesan, M** 2017, 'Experimental analysis of Turning Process in CNC Lathe using Nano Fluid as a Coolant', Proceedings of the International Conference on Trending Researches in Engineering & Advanced Technology, Hotel AMRs Evergreen, Salem. pp. 6-10.
11. Dhiliepan, R, Abdul Hakkem, A, Balasubramaniam, R.S, **Ganesan, M**, Karthikeyan, S & Baskar, N 2016, 'Optimization of Drilling Parameters for Improving Material Removal Rate on Teflon using Taguchi Design', Proceedings of the International Conference on Emerging Enhancements in Engineering Technology, Indra Ganesan College of Engineering, Trichy.
12. **Ganesan, M** & Marimuthu, P 2015, 'Effect of Axial Shortening on Friction Welded AISI 304L Stainless Steel Joints', Proceedings of the International Conference on Advances in Applied Engineering and Technology, Syed Ammal Engineering College, Ramanathapuram.
13. **Ganesan, M** & Marimuthu, P 2015, 'Prediction of Axial Shortening on Friction Welding of AISI 4340 Steel Joints using Design of Experiments', Proceedings of the International Conference on Advances in Applied Engineering and Technology, Syed Ammal Engineering College, Ramanathapuram.
14. Sathishkumar, J, Shrinivasan, V, Prakash, P, **Ganesan, M** & Baskar, N 2014, 'Experimental Investigations and Analysis of Machining Parameters for Machining EN8 Material', Proceedings of the International Conference on Advances in Design and Manufacturing, National Institute of Technology, Trichy. pp. 286-289.
15. Palanisamy, S, **Ganesan, M**, Chandrasekar, M & Kannan, TTM 2012, 'Design and Development of Solar Desalinator', Proceedings of the National Level Student's Conference on Innovations in Machinery and Structures, Vel Tech, Chennai.
16. **Ganesan, M** & Dhanabalan, S 2010, 'Multiple Performance Characteristic Optimization of EDM Parameters using GA', Proceedings of the International Conference on Intelligent Design and Analysis of Engineering Products, Systems and Computation', Sri Krishna College of Engineering and Technology, Coimbatore.
17. Dhanabalan, S, Siva Kumar, K, **Ganesan, M** & Sathiya Narayanan, C 2009, 'Multiple Performance Characteristic Optimization of EDM Parameters using Intelligent Technique for Titanium Alloy', Proceedings of the International Conference on Total Engineering, Analysis & Manufacturing Technologies, Jyothi Auditorium, Bangalore.

## ***Workshops attended***

1. TEQIP - II Sponsored Workshop - Energy Conservation and Alternative Options, Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli on 20-05-2016.
2. Faculty Development Workshop - Auto Desk Fusion 360, ICTACT, The Gateway Hotel, Pasumalai, Madurai on 05-05-2016.
3. Value added Technical Course in Engineering Mechanics, Department of Mechanical Engineering, Saranathan College of Engineering, Trichy on 25-01-2016.
4. Workshop on ANSYS Workbench, CADD Centre, Trichy-Puthur, from 04-01-2016 to 05-01-2016.
5. Short term course on Recent Developments in Welding Processes for Manufacturing Industries, Department of Production Engineering, National Institute of Technology, Tiruchirappalli from 27-06-2013 to 29-06-2013.
6. One day workshop on Optimization Techniques for Engineering Applications, Department of Mechanical Engineering, Kumaraguru College of Technology, Coimbatore on 07-05-2013.
7. CSIR Sponsored National Level Seminar - A Review on Friction Stir Welding Process and Contemporary Material Research Technique, Department of Mechanical Engineering, Shree Venkateshwara Hi-Tech Engineering College, Gobi, Erode on 19-03-2013.
8. Hyper mesh, Hyper Mesh, K.L.N College of Engineering, Madurai on 04-04-2012.
9. Recent trends in Composite materials and its processing, K.P.R. institute of Engineering & Technology, Coimbatore from 07-10-2011 to 08-10-2011.
10. Product Development using Reverse Engineering, Virtual Reality, Rapid Prototyping & Manufacturing using Pro/E, UG, Master CAM, Hyper Form, P.S.G. College of Technology, Coimbatore on 03-03-2010.
11. Recent Advances in Environment, Safety and Energy Management, National Institute of Technology, Trichy from 05-02-2007 to 09-02-2007.

## Membership

- Indian Society for Technical Education (ISTE)  
Category : Life Membership  
No. & Year : LM 91496 & 2013
- Indian Society of System for Science and Engineering (ISSSE)  
Category : Life Membership  
No. & Year : LM 04208 & 2017

## Funding Agency

- Proposal Submitted to *Tamilnadu State Council for Science and Technology (TNSCST)*, Prediction and Optimization of Drilling Process on Medium Carbon Steel using Taguchi Approach. August 2015.
- **Fund received** from *The Institution of Engineers (India), R & D Grant-in-aid scheme*, Experimental Investigation and Optimization of Milling Parameters for Machining Aluminum Silicon Carbide Composite using Design of Experiments Approach. (Project I.D. UG2017020) Sept 2016  
**Rs. 36,000/-**

Students Name: Mr. M. Moorthy, Mr. R. Mathan Babu and Mr. E. Kumaresan

Guide Name : Dr. N. Baskar and **Dr. M. Ganesan**

- Proposal Submitted to *Tamilnadu State Council for Science and Technology (TNSCST)*, Experimental Evaluation and Optimization of Drilling Process Parameters on Aluminum Silicon Carbide Composite using Design of Experiments Approach. August 2016.
- Proposal submitted to *All India Council for Technical Education* under *Research Promotion Scheme (RPS)*, titled “**Experimental Evaluation and Analysis of Milling Process Parameters for various workpiece materials**”. January 2017.

Staff Name: Dr. N. Baskar, **Dr. M. Ganesan** and Mr. A. Maria Jackson

- Proposal Submitted to *Tamilnadu State Council for Science and Technology (TNSCST)*, Combined Objective Optimization on the Friction Welding Process Parameters of Teflon using Grey Relational Analysis. August 2017.



## Achievements

- **Resource person** of *Faculty Development & Training Programme (FDTP), Anna University* titled “**Finite Element Analysis**” in **M.A.M. School of Engineering, Tiruchirappalli** on December 2016.

- **State Level Best Project - International Society for Scientific Research and Development (ISSRD), Engineering Students Innovation Challenge - 2017** on 28-29 January 2017.

Students Name: Mr. M.B.M. Manikandan, Mr. P. Kishore Kumar,  
Mr. S. Kathir Selvan and Mr. D. Albert

Guide Name : Dr. N. Baskar and **Dr. M. Ganesan**

- **Best Paper Award - International Conference on Emerging Trends in Materials and Manufacturing Engineering (IMME17)**, Department of Metallurgical and Materials Engineering, **National Institute of Technology, Tiruchirappalli** on March 10-12, 2017.

- **State Level Best Project Award - 3<sup>rd</sup> IEI Tamilnadu State Centre Students & Technicians Convention and All India Seminar on “Innovation, Technology and Knowledge Economy”**, K.L.N. College of Engineering on 17<sup>th</sup> & 18<sup>th</sup> March 2017.

Project Title : Effect of Milling Process Parameters for Surface Quality on  
Aluminium Silicon Carbide Composite using Design of Experiments  
Approach

Students Name: Mr. M. Moorthy, Mr. R. Mathan Babu and Mr. E. Kumaresan

Guide Name : Dr. N. Baskar and **Dr. M. Ganesan**

- **First Prize - Paper Presentation in National Level Technical Symposium** organized by **Trichy Engineering College, Konalai, Trichy** on 20 March 2017.

Students Name: Mr. M.B.M. Manikandan, Mr. P. Kishore Kumar,  
Mr. S. Kathir Selvan and Mr. D. Albert

Guide Name : Dr. N. Baskar and **Dr. M. Ganesan**

- **Resource person** of **Guest Lecture** titled “**Optimization of Milling Parameters using Aluminium Silicon Carbide Composite**” in **The Institution of Engineers (India), Tiruchirappalli Local Centre, BHEL, Tiruchirappalli** on 25-04-2017.

## ***Expert Member***

- **Expert Member** for **Ph.D. Viva Voce Examination** at **Bharath University**, Chennai on 22 September 2017.

Scholar Name : Mr. E. Edwin Paul

Reg. Number : D13ME003

Thesis Title : Experimental Investigation of AISI 1040 Steel using TiCN/TiN and TiAlN Coated Tools in CNC Facing and Turning

Guide Name : Dr. P. Marimuthu

- **External Examiner** for **Ph.D. Viva Voce Examination** at **PRIST University**, Thanjavur on 12 June 2017.

Scholar Name : Mr. R. Baskaran

Reg. Number : 121313768

Thesis Title : Experimental Study and Optimal Setting of Machining Parameters for INCONEL Material

Guide Name : Dr. P. Marimuthu

- **External Examiner** for **Ph.D. Viva Voce Examination** at **PRIST University**, Thanjavur on 20 March 2017.

Scholar Name : Mr. N. Senthil Velan

Reg. Number : 121313771

Thesis Title : Performance of Uncoated and Coated Carbide Cutting Tool for Turning Martensitic Stainless Steel under Dry Cutting Condition

Guide Name : Dr. P. Marimuthu

## ***Reviewer/Editorial Board***

- **Reviewer** in *International Journal of Engineering Research & Technology (IJERT)* (ISSN: 2278-0181), From 07-03-2017  
(**Google Scholar**)

Registration No: IJERTREW 2053

- **Editorial Board Member** in *International Journal of Mechanical Engineering & Technology (IJMET)* (ISSN: 0976-6359), From 19-04-2017  
(**Scopus, Thomson Reuters & Google Scholar**)


- **Editorial Board Member** in *International Journal of Industrial Engineering & Technology (IJIET)*  
(ISSN: 2278-9456), From 25-05-2017  
(Scopus & Google Scholar)
  
- **Editorial Board Member** in *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*  
(ISSN: 2249-8001), From 25-05-2017  
(Scopus & Google Scholar)
  
- **Reviewer & Advisory Member** in *International Journal of Mechanical Engineering (IJME)*  
(ISSN: 2319-2240), From 13-10-2017  
(Thomson Reuters & Google Scholar)

### ***Declaration***

I (M. Ganesan) hereby declare that the above-mentioned information is true to the best of my knowledge and belief.

Place: Trichy-1  
Date:

Yours Sincerely,

  
(M. GANESAN)