

Cellphone : 9443815315

e-Mail ID : mugendiran.v@mitindia.edu

Address : No: 35, 11th Street, V.O.C Nagar, Tiruvannamalai
606603



Present Position

Assistant Professor, Department of Production Technology, Madras Institute of Technology, Anna University, Chennai from December-2014.

Present Additional Responsibility

- Secretary - MITStudents Co-operative Stores, , Anna University, Chennai.

Other Employment

- Lecturer, Arunai Engineering College, Tiruvannamalai for 3 years.
- Assistant Professor, S.K.P Institute of Technology, Tiruvannamalai for 4.6 years.
- Senior Lecturer, Arunai Engineering College, Tiruvannamalai for 4.5 years.

Degree

- ❖ M.E. in MECHANICAL ENGINEERING , , Anna University (2003 - 2005).
- ❖ B.E. in MECHANICAL ENGINEERING , , Madras University (1993 - 1997).

Research Degree

- ❖ Ph.D. in Metal Forming from Faculty of Mechanical Engineering, CEG Campus, Anna University - 2019).
Title: Studies on Experimental and Numerical Analysis of Incremental Forming on AA5052 Alloy.

Area of Specialisation

- Finite Element Analysis
- Metal Forming
- Image processing
- Optimization

Membership in Professional Organization

- > M.I.S.T.E

Research Guidance

Number of Ph.D Scholars Guiding : 4
Number of M.E./ M.Tech. Projects : 14
Guided
Number of M.E./ M.Tech. Projects : 2
Guiding
Number of Ph.D Scholars Guiding : 1
as Joint-Supervisor

Papers Published in Journals

Research Papers Published in International Journals : 9
Research Papers Published in National Journals : 0

1. T Prabakaran, P Periasamy, V Mugendiran, M Varsha Shree, "Influence of image pixels and image contrasts in computing 2D geometrical properties using MATLAB", AIP Conference Proceedings, published by AIP Publishing LLC. Vol. 2283, Issue 1, pp. 20-35
2. V. Mugendiran J. P. Ramesh, Sivakumar K., "Investigation of Wake Aerodynamics in Bluff Body for UAV Application", i-manager's Journal on Mechanical Engineering, published by i-manager. Vol. 10, Issue 2, pp. 27-34
3. V. Mugendiran, A. Gnanavelbabu, R. Ramadoss,, "Tensile Behaviour of Al5052 Alloy Sheets Annealed at Different Temperatures", Advanced Materials Research, published by Scientific.net. Vol. 845, Issue 1, pp. 431-435 (2013).
4. V. Mugendiran, A. Gnanavelbabu, R. Ramadoss, "Parameter Optimization for Surface Roughness and Wall Thickness on AA5052 Aluminium alloy by Incremental Forming using Response Surface Methodology", Procedia Engineering, published by Elsevier. Vol. 97, Issue 1, pp. 1991-2000 (2014).
5. V. Mugendiran, A. Gnanavelbabu, "Comparison of FLD and Thickness Distribution on AA5052 Aluminium alloy Formed parts by Incremental Forming Process", Procedia Engineering, published by Elsevier. Vol. 97, Issue 1, pp. 1983-1990 (2014).
6. Mugendiran.V and A.Gnanavelbabu, "Comparison of plastic strains on AA5052 by single point incremental forming process using digital image processing", Journal of Mechanical Science and Technology, published by Springer. Vol. 31, Issue 6, pp. 2943-2949 (2017).
7. Mugendiran.V and A.Gnanavelbabu, "Analysis of formability and twist angle in AA5052 alloy by single point incremental forming process", Indian Journal of Engineering and Materials Sciences, published by NISCAIR. Vol. 25, Issue 2, pp. 163-168 (2018).

8. Mugendiran.V and A.Gnanavelbabu, "Analysis of hole flanging on AA5052 alloy by single point incremental forming process", *Materials Today*, published by Elsevier. Vol. 5, pp. 8596-8603 (2018).
9. T Prabakaran, P Periasamy, V Mugendiran and Ramanan, "Studies on application of image processing in various fields: An overview", *IOP Conference Series: Materials Science and Engineering*, published by IOP Publishing Ltd. Vol. 961, Issue 3, pp. 18-23 (2020).

Books Published

1. "Lab Manual for Computer Aided Design and Drafting" - 4th edition authored by Mugendiran.V, Mugendiran.V and Karthikeyan.S and published by Krishna Publications, Chennai.(2010)