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## Present Position

Professor, Department of Production Technology, , Anna University, Chennai from November-2014.

## Previous Positions

- > Associate professor, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai during February-2013 and November-2014.
- > Assistant Professor, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai during February-2010 and January-2013.
- > Lecturer Sl.Grade, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai during February-2005 and January-2010.
- > Lecturer, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai during August-2004 and January-2005.
- > Teaching Research Associate, Department of Automobile Engineering, Madras Institute of Technology, Anna University, Chennai during February-2001 and August-2004.

## Previous Additional Responsibility

- > Treasurer , Students Cooperative Stores, , Anna University, Chennai.
- > Programme Officer, , Anna University, Chennai.
- > Deputy Warden, Girls Hostel, Anna University, Chennai.

## Other Employment

- > LECTURER, for 2 YR 9 MONTHS .

## Degree

- ❖ M.E. in COMPUTER AIDED DESIGN , GOVT. COLLEGE OF ENGG, SALEM, MADRAS UNIVERSITY (1995 - 1997).

- ❖ B.E. in MECHANICAL ENGINEERING , IRTT, ERODE, BHARATHIAR UNIVERSITY (1991 - 1995).

## Research Degree

- ❖ Ph.D. in Automobile suspension system and Braking system from Faculty of MECHANICAL ENGINEERING, MIT CAMPUS , ANNA UNIVERSITY (2001 - 2004).  
Title: Design optimization and performance evaluation of brake disc using GA and FEA.

## Area of Specialisation

- > Computer Aided Design, Automotive Chassis components Design

## Membership in Professional Organization

- > MISTE, Life member in combustion Institute

## Research Guidance

Number of Ph.D Scholars Guided	: 6
Number of Ph.D Scholars Guiding	: 5
Number of M.E./ M.Tech. Projects Guided	: 20
Number of M.E./ M.Tech. Projects Guiding	: 3

## Papers Published in Journals

Research Papers Published in International Journals	: 13
Research Papers Published in National Journals	: 0

1. S.Chandrsekaran, " "Alternate Materials for automotive Brake Disc" ", International Journal of emerging Technologies and Applications in Engg, and Technology , (2009).
2. J.Jancirani and S.Chandsakaran, "Design and Heat Transfer analysis of Automotive Brake Disc", International Journal of emerging Technologies and Applications in Engg, and Technology, pp. Page No 455 (2009).
3. Balamurugan and J.Jancirani, "A survey on semi active suspension damper technologies and control strategies for vehicle ride comfort and drive stability", International Journal on Mechanical and Automobile engineering , pp. pp: 27-38 (2011).
4. Jeyanthi and J.Jancirani", " Improving mechanical properties by hybrid long fibre reinforced composite for front beam of automotive ", European Journal of scientific research , pp. 195 (2011).

5. Jeyanthi and J.Jancirani, "Effect of natural long fibre in thermoplastics for automotive structures", 5. Jeyanthi and J.Jancirani International journal of emerging trends in engineering and development, (2011).
6. R Anbalagan, J Jancirani, "Experimental investigation of vacuum brake system performance in light commercial vehicles", International Journal of Vehicle Structures & System, published by Mech Aero Foundation for Technical Research & Education Excellence. Vol. 7, Issue 1, pp. 43 (2015).
7. 3. P Sathish Kumar, J Jancirani, D John, B Arun, "Simulation of Electrical Actuator and Air Spring Actuator Controlled Suspension Systems for Automotive Vehicles", International Journal of Vehicle Structures & Systems (IJVSS), published by (IJVSS),. Vol. 7, Issue 3, (2015).
8. J Jancirani ,P Sathish Kumar, Manar Eltantawie,Dennie John, "Comparison of Air Spring Actuator and Electro-Hydraulic Actuator in Automotive Suspension System", International Journal of Vehicle Structures & Systems, published by , Mech Aero Foundation for Technical Research & Education Excellence . Vol. 7, Issue 1, pp. 36 (2015).
9. J Jancirani, H Assarudeen, "A review on structural analysis and experimental investigation of fibre reinforced composite leaf spring", Journal of Reinforced Plastics and Composites, published by SAGE publications. pp. 95-100 (2015).
10. AJD Nanthakumar Jancirani, "Design optimization of magnetorheological damper geometry using response surface method for achieving maximum yield stress", Journal of Mechanical science and Technology, published by Korean Society of Mechanical Engineers. Vol. 33, Issue 9, pp. 4319-4329 (2019).
11. AJD Nanthakumar, J Jancirani, SC Rajasekaran, K Sarathkumar, "Multiphysics Analysis of a Magnetorheological Damper", Defence Science Journal, Vol. 69, Issue 3, (2019).
12. R Anbalagan, J Jancirani, "Experimental investigation of the vacuum actuated brake system compared with hydraulic brake system in a vehicle", Transactions of the Canadian Society for Mechanical Engineering, Vol. 44, Issue 2, (2020).
13. R Anbalagan, J Jancirani, ": Experimental investigation of the vacuum-actuated brake system compared with hydraulic brake system in a vehicle", Transactions of the Canadian Society for Mechanical Engineering, Vol. 44, Issue 2, pp. 333-333 (2020).

## Papers Presented in Programmes

Research Papers Presented in International Programmes : 1  
Research Papers Presented in National Programmes : 0

1. AJD Nanthakumar, Niketh, " Applied mechanics and materials, Conference" presented in a International level conference on Optimal current value estimation for an automotive Magneto Rheological (MR) fluid damper actuation from 14-Sep-2015 to 14-Sep-2015.

## Books Published

- 1.

## Patents

1. Having a patent for "CONDUIT SIDE SKIRT FOR UNDERBODY DRAG REDUCTION " awarded by INDIA . Patent number:378983 (08-Oct-2020).

## Patents Filed

1. Filed patent rights for A REAL TIME ADAPTABLE DAMPERin INDIA. File number: 2147483647 Filed Date: 20-Oct-2017.
2. Filed patent rights for AIR CURTAIN SIDE SKIRT FOR REDUCING UNDERBODY DRAGin INDIA . File number: 2147483647 Filed Date: 19-Jan-2018.

## Invited Lectures

1. Delivered a Lecture on "Computer aided product design " organized by Velammal Engineering college , Chennai .