

Dr.R.RAMADOSS

Professor

Contact Information

Official No. : 044-43923113

Personal No.: 9840459601

Educational Quaification

D.M.E

B.E (Mechanical)

M.E. Production Engineering (CIM)

Ph.D (Metal Forming)

In Easwari

Since 05 March 2014

Professional Experience

He has 20 years of teaching experience in handling undergraduate and postgraduate students. He is a Recognized Supervisor in Anna University. He is currently guiding 2 Ph.D Scholars in Anna University Chennai and he is a life member in ISTE and Member in Institution of .Engineers (MIE).

Research Interest

His research areas includes metal forming, Composite Materials, and Metal cladding



MEMBERSHIP IN PROFESSIONAL BODIES

- ✓ Life Member in Indian Society for Technical Education (ISTE) LM No. 29121
- ✓ Member in SAE-INDIA (Senior Faculty Advisor for SAE-INDIA Collegiate Club)
- ✓ Member of Institution of Engineers (MIE) – M150008-7/MC140200333090
- ✓ Member in Institute of Engineering and Technology (IET): joined

ACADAMIC RESEARCH

- ✓ Recognized Supervisor in Anna University Chennai (Ref.No: 16.299.13)
- ✓ Recognized Supervisor in Pondicherry University, Pondicherry (Ref.No.PU/CE/E9/PHD/2013-14/851)
- ✓ Recognized Supervisor in VELS University Pallavaram Chennai.

- ✓ Currently Guiding **2 Research Scholars** in the area of Metal Forming, and composite materials.
- ✓ Conducted **AICTE Sponsored SDP** on ‘**Processing and Applications of Advanced Composite Materials**’ (File No.RIFD/SDP/164/2010-11) for Two Weeks (Nov 7th-19th 2011) **Grant of Rs.6,32,050.**
- ✓ Reviewer for the Two International Journals (IJMMP and IJMD).

NATIONAL/INTERNATIONAL JOURNAL PUBLICATIONS

1. **Ramadoss R.**, Rajadurai A., Venugopal S. and Satishkumar S. (2008), ‘Forming Limit Diagram for Austenitic Stainless Steels’, Indian Journal of Manufacturing Technology Today, Vol.7, pp.27-32.
2. **Ramadoss R.**, Rajadurai A., (2010), ‘Forming Limit Analysis of AISI 316 and 316L Stainless steel,’ Indian Journal of Manufacturing Technology Today, Vol 25, pp.18-23.
3. **Ramadoss R.** and Rajadurai A. (2009), ‘Forming Limit Analysis of AISI 316LN-Austenitic Stainless Steel’, International Journal of Microstructure and Material Properties, *Vol. 4, No. 4, 2009.*
4. **Ramadoss R.**, and Rajadurai A. (2010), ‘Finite Element Simulation of Forming Limit Diagram for AISI 316LN Austenitic stainless steel’, International Journal of Microstructure and Material Properties, *Vol. 6, No. 6, 2011.*
5. V.Mugendiran,A.Gnanavel Babu and **R.Ramadoss (2014)**’Tensile Behavior of Al 5052 Sheets Annealed at Different Temperatures’,Advanced Materails Research’ Transactions of Technical Publication Switzerland, Vol.845,PP 431-435.

PAPERS PUBLISHED IN NATIONAL/INTERNATIONAL CONFERENCES

1. Published a paper titled ‘FE simulation forming limit analysis of austenitic stainless steel’ in the National Conference on “Recent advances in product design, materials technology and manufacturing systems (RAPMATS-2006)” at MIT, Anna University Chennai on 6th and 7th February 2006, pp131-136.
2. Published a paper titled ‘Stress based forming limit diagram for stainless steels 316,316L using FE simulation’ in the National Conference on “Recent advances in product design ,materials technology and manufacturing systems (RAPMATS-2006)” at MIT, Anna University Chennai on 6th and 7th February 2006, pp137-142.

3. Presented a poster titled 'Forming limit analysis of austenitic stainless steels' in the International Symposium on "Frontiers in design of materials (NMD-ATM 2005)" conducted by Indian Institute of Metals at IIT Madras on November 12-16, 2005.
4. Published a paper titled 'Numerical and experimental investigations of FLD for AISI 316 stainless steel by hemispherical punch stretching test' in the International Conference on "Recent advances in materials and processing (RAMP-2006)" at PSG college of technology Coimbatore on December 15-16, 2006, pp58.
5. Presented a paper titled 'Physical simulation of extrusion process using wax with ZnO as an additive' in the National Seminar on "Advances in metal forming METFORM-2000" at MIT campus, Anna University Chennai - 44 on 15th & 16th March 2000.
6. Presented a paper titled' effect of microwave heat treatment on mechanical properties of AA6061 sheet metal in the 12th Global Congress on Manufacturing and Management, GCMM 2014, Vol 97 (PP1692 – 1697,2014
7. Presented a paper titled' Parameter optimization for surface roughness and wall thickness on AA5052 Aluminium alloy by incremental forming using responsesurface methodology in the 12th Global Congress on Manufacturing and Management, GCMM 2014, Vol 97 (PP1991 – 2000),2014
8. 97 (2014) 1991 – 2000

WORKSHOPS / TRAINING PROGRAMMES / SUMMER / WINTER SCHOOLS

1. Attended two days orientation program on 'Standardization in engineering practices' held on 4th & 5th February 1999 at Anna University, Chennai-25, conducted by Bureau of Indian Standards New Delhi.
2. Attended AICTE/ISTE sponsored summer school on 'Computer applications in design and manufacturing' from 5th to 16th May 1997, organized by Dept. of Mechanical Engg., REC, Calicut.
3. Attended AICTE/ISTE sponsored winter school on 'Industry Institute Linkage (IIL) ways of effective implementation' from 17th to 22nd November 1997, organized by Periyar Maniammai College of Technology for Woman, Vallam, Tanjavur.
4. Participated in 'National seminar on global trends in manufacturing technology' held on 25th July 2003 conducted by Department of Manufacturing Engineering, Anna University, Chennai-25.

5. Participated AICTE sponsored seminar on 'Reliability of renewable energy systems with special reference to wind energy system' conducted by Anna University, Chennai-25 on 17th & 18th Nov' 2000.
6. Participated in a Two Day Course on Processing and Applications of Composite Materials" held on 26th & 27th August 2011 at IIT Madras, Chennai 36.

ACHIEVEMENTS

1. Participated in **SUN NEWS Channel, 'Enna Pdikalam'** Programme on 13-07-2014 at 12.30 to 1.30 pm **(one hour) live program**. Discussed about the scope of Mechatronics for the students opting for B.E/B.Tech and higher education in Indian and Foreign Universities.

Special Responsibilities undertaken

(i) For the Department

1. Coordinator for National conference 2015
2. Conducted Mecadroit-2014 and 2015 National level students technical symposium for the department.
3. Coordinator for Society of Mechanical Engineers (SME)
4. Research committee member for the dept
5. Arranged 02 Guest lectures and Industrial visits under Society of Mechanical Engineers (SME).
6. Coordinator for the Anna University affiliation Inspection for the year- 2015-16
7. Convener for the National Conference to be held on 24-04-2015.
8. NBA Coordinator for the department
9. Research cell –department coordinator
10. Professor I/C for the II year mech B sec

(ii) For the College

1. Convener for the academic audit for the college
2. Slow learners monitoring and evaluation committee(co convener)
3. NAAC Peer team visit committee
4. Convener for summer vacation slot for the college
5. College day Medals distribution committee
6. Enquiry committee member
7. Member in a committee for improvement of printing attendance, student record, course file etc.
8. Academic coordinator for the college
9. Time table coordinator for the college (for all departments)
10. Co convener for the slow learners monitoring committee for the college.
11. Conducted 2 invited lectures for the weak students under slow learners monitoring committee.
12. Convener for the Institutional Social responsibility Initiative –program for the college

13. Conducted ICT based teaching and Refrigeration and air conditioning for the senior faculties and HODs of Polytechnic Colleges on 10th Jan 2015.(For CSE/ECE /IT and Mechanical)
14. Conducted Effective Polytechnic Management & Leadership - Innovations in Polytechnic Education” for the Principals of polytechnic colleges on 14-02-2015.
15. Advisory committee member for the MBA department
16. Mock inspection committee member for the Civil Engg department –Anna University Inspection-2014 and 2015
17. NAAC Inspection committee member for the EEE Department
18. NBA Inspection committee member for the College
19. Vacation slot Convenor-2014—2015 even semester.
20. Club i/c (for various clubs in the college)
21. Question Paper Reviewer/Setter for the **Tamilnadu Public Service Commission (TNPSC)** Examination for Mechanical Engineering.
22. Participated in **SUN NEWS Channel**, ‘**Enna Pdikalam**’ Programme on 13-07-2014 at 12.30 to 1.30 pm (**one hour**) **live program**. Discussed about the scope of Mechatronics for the students opting for B.E/B.Tech and higher education in Indian and Foreign Universities.

Achievements:

- (i) Participated in **SUN NEWS Channel**, ‘**Enna Pdikalam**’ Programme on 13-07-2014 at 12.30 to 1.30 pm (**one hour**) **live program**. Discussed about the scope of Mechatronics for the students opting for B.E/B.Tech and higher education in Indian and Foreign Universities.
- (ii) Produced results more than 90% for the problematic Subjects Engineering Mechanics and Mechatronics.
- (iii) Received Best teacher award for producing 100% Result.
- (iv) Recognized Supervisor in Anna University Chennai (Ref.No: 16.299.13)
- (v) Recognized Supervisor in Anna University of Technology Chennai (Ref.No.AUTC/Ph.D/2011(N)/ME005)
- (vi) Recognized Supervisor in Pondicherry University, Pondicherry (Ref.No.PU/CE/E9/PHD/2013-14/851)
- (vii) Recognized Supervisor in VELS University Pallavaram Chennai.
- (viii) Currently Guiding **4 Research Scholars** in the area of Metal Forming, Friction Welding and Machining
- (ix) Reviewer for the Two International Journals (IJMMP and IJMD).

Extra-curricular activities.

- (i) Convener for conducting **Institutional Social Responsibility Initiative program** in the college. Every year we used to conduct one program for the Principals and Hod's of polytechnic colleges for improving the teaching learning and placement activities for the polytechnic students.
- (ii) Convener for the CLUB ACTIVITIES (NSS, NCC, YRC, ROTARACT, ENERGY, AND ROBOTICS) IN THE COLLEGE.