



INTERNATIONAL JOURNAL OF NANO CORROSION SCIENCE AND ENGINEERING.



Dr. K.VELMANIRAJAN

Professor of Mechanical Engineering

Objective: To prove excellence in imparting quality education.

Father's Name : Shri S. Kathambarajan

Date of Birth : 14.03.1971

Profession : Principal, Sri Raaja Raajan College of Engineering
and Technology, Karai Kudi - 630 301.

Present Address : 4/204 – 3, Jai Nagar, N. Kosavampatti,
Trichy Road, Namakkal – 637 001.

Cell: 9994020525

velmanirajan@gmail.com

Permanent Address : 2799, TNHB, Mela Anuppanadi,
Madurai – 625 009.

Recognition : Selected as VIP as Whos who in the world 2014

Educational Qualification :

S.No.	Degree / Branch	University	Month & Year of Passing	Class Secured
1.	B.E., (Mech.Engg)	Madurai Kamaraj University	November 1998	I Class
2.	P.D.Au.E., (Automobile Engg.)	State board of Technical Education	April 1992	
3.	M.E., (Production Engineering)	Anna University	April 2004	
4.	M.B.A. (Production)	Madurai Kamaraj University	May 2005	
5	Ph.D., (Production Engineering)	Anna University Chennai	June 2012	

Experience in Industries:

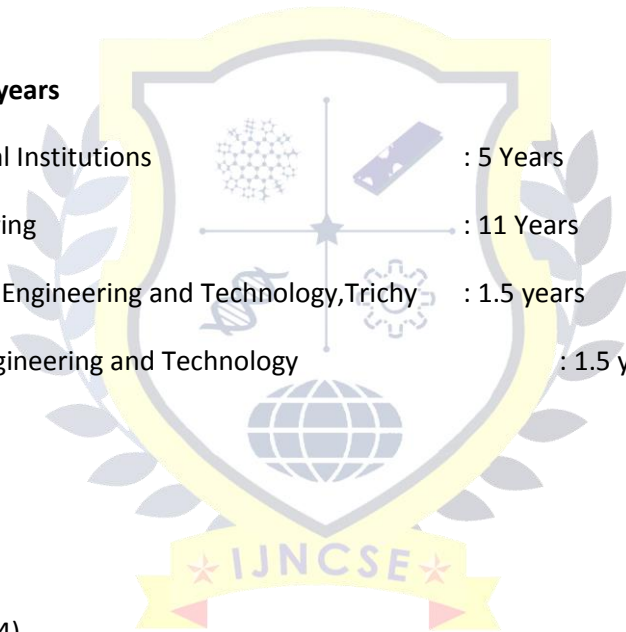
Government Automobile Workshop, Collectorate, Madurai : 1 Year
Premkumar Textiles Pvt., Ltd., Madurai : 3 Years
Krishnaveni Automobiles : 2 Years

Teaching Experience: 18 years

Sethu Baskara Educational Institutions : 5 Years
K.L.N. College of Engineering : 11 Years
Vetri Vinayaha College of Engineering and Technology, Trichy : 1.5 years
Kongunadu College of Engineering and Technology : 1.5 years

Research Experience:

MRP Lot sizing (2003-2004)
Education (2003-2005)
Transport Management (2005-2007)
IC Engine and catalytic coating (2006-2008)
Material Processing (2009-2010)
Metal forming and Texture (2008-2012)



Roles and Responsibilities Handled:

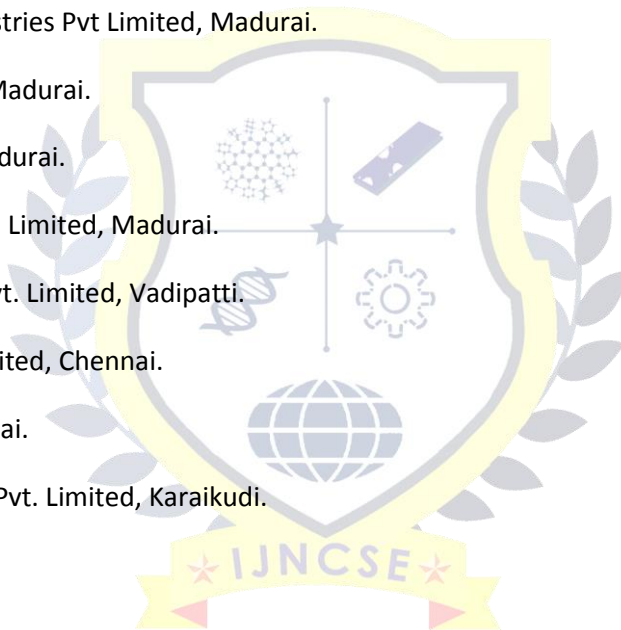
Contributions to the Development of the Department: Refer Annexure - III

Contributions to the Development of the Institution: Refer Annexure - IV

Contribution to Institute-Industry Relationship:

Active participation in I I I and its activities;

1. MM Forgings Pvt Limited, Singampunari.
2. Sri Venkateswara Industries Pvt Limited, Madurai.
3. Quality Coils Pvt Ltd., Madurai.
4. Southern Railways, Madurai.
5. Kodai Automobiles Pvt. Limited, Madurai.
6. Madras Suspensions Pvt. Limited, Vadipatti.
7. M.C Industries Pvt. Limited, Chennai.
8. TMC Associates, Chennai.
9. Tamil Nadu Chemicals Pvt. Limited, Karaikudi.



Social Responsibilities:

Active Member in maintenance of a home for the differently abled children.

Membership/ Recognitions:

1. Life member of ISTE
2. Member of Institute of Insurance Surveyors and Loss Assessors
3. Life member of the Quality circle forum of India

4. Advisor and member in Society of Automobile Engineers (India).
5. Member in Laboratory and Research Establishment committee of KLN College of Engineering.

Programmes attended: More than 65 Days

Programmes Organized: (Refer Annexure – II)



Number of Workshop/seminar organized	: 18
Number of Courses conducted	: 5
Number of Symposium Organized	: 9
Conferences organized	: 3

Invited talks/Seminar and Lecture delivered:

1. Resource Person for a Seminar on “Recent trends in Optimization Techniques Genetic Algorithms” Organized by Rev. Jacob Memorial Christian Arts College, Ambilikai, Dindugul on 6th Feb 2006.
2. Resource person for the short term course on “Teaching Methodologies in Engineering Mechanics” organized by KLN College of Engineering, Sivagangai, during 2006.
3. Resource person for the program “Conductors Skill Development” organized by Transport department on 14.08.07.
4. Resource person for a program “Yoga and mind relaxation training” organized by Transport department on 16.08.07.

5. Resource person for the short term course on “Engineering Graphics” organized by PANNAI Engineering College, Sivagangai, during Feb’ 2008.
6. Resource person for the short term course on “Advanced Automotive Technology”, organized by Sowdambiga Polytechnic College during May 2009.
7. Resource person for the one day Technical symposium organized by RVS School of Engineering, Dindigul- during Aug 2011.
8. Resource person for the two day seminar on Finite Element Analysis organized by PET Engineering College, Vallioor, during Feb’ 2012.
9. Resource person for the one day workshop on Design of Experiments using Design Expert organized by PET Engineering College, Vallioor, during July’ 2012.
10. Resource person for Anna University MBA week end programmes.
11. Resource person for Indian postal Officers refreshment & training organized by KLN College of Engineering during 2011.
12. Resource person for competitive examinations of TNPSC and TRB organized by Sri Sai Institute, Madurai.
13. Delivered Lectures in science programs in All India Radio, Madurai.
14. Delivered lecture on “Challenges in Automobile Engineering” at Dr. Nagarathinam College of Engineering and Technology, Namakkal during 2012.
15. Delivered key note address in the National Conference on “Advances in Automotive Engineering” at Karpagam College of Engineering, Coimbatore.
16. Delivered lecture on “Art of mind power” on 30.01.2013 at Kongunadu College of Engineering and Technology.
17. Delivered an invited lecture on “Mystery of water” on 22.02.2013 in World water day celebrations at KNCET.
18. Delivered an invited talk during the inauguration of Industry Institute partnership cell at KNCET.

19. Delivered lecture on “Know Yourself” on 24.01.2013 at KLN College of Engineering.

20. Delivered a lecture on “Design of Experiment using Design Expert software” on 29.12.2013 at PET Engineering College, Vallioor.

21. Delivered lecture on “Silence Power” on 03.01.2013 at Vetri Vinayaha College of Engineering and Technology, Thottium.

Achievements and awards:

Received Appreciation Letter from KLNCE- Founder President for my contribution development of the College

Received appreciation for Social services

Received appreciation for 100% pass percentage

Details of Publications:

(a) Conference papers : 17

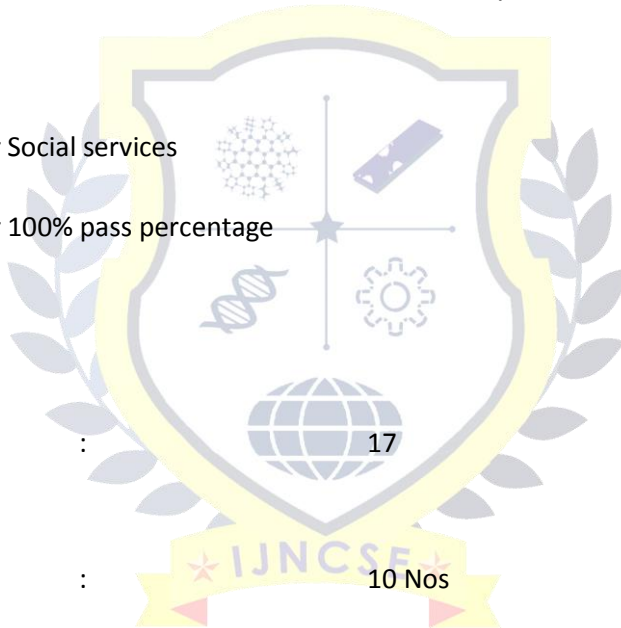
(b) Journal papers : 10 Nos

(c) Books/Monographs : 3 Nos

Prepared monographs for

1. Two and three Wheelers,
2. Off Road vehicles &
3. Management science (Co-author)

Dr. K.Velmanirajan



ANNEXURE – I

Paper Publications:

1. Published a paper titled “Evolution of Optimum Resource Plan for Flow Line assembly- using Genetic Algorithm” in the proceedings of International Conference, Responsive Supply Chain, CIT (2004).
2. Published a paper titled “Revised Dynamic Lot Sizing Policy for MRP” in the proceedings of National Conference, Challenges in Achieving Global Quality, TCE (2004).
3. Published a paper titled “An Insight into the achievement of quality in Reverse engineering Product” in the proceedings of National Conference, Challenges in Achieving Global Quality, TCE (2004).
4. Published a paper titled “Analysis and implementation of Reverse Engineering Design Methodology for Manufacturing Mechanical Engineering Components” in the proceedings of National Conference, Global Technologies in Manufacturing and Thermal sciences SIT (2004).
5. Published a paper titled “Significance of Safety in Productivity for a constrained capacity Production” in the proceedings of National Conference, Global Technologies in Manufacturing and Thermal sciences SIT (2004).
6. Published a paper titled “Total Quality in Indian Engineering Institutions” in the proceedings of National Conference, Advances in Mechanical Engineering, Sri Venkateswara University Engg. College, Tirupathi (2004).
7. Published a paper titled “Impact of Emotional Intelligence Awareness measures Towards Promoting Entrepreneur skills” in the proceedings of National Conference, Advances in Mechanical Engineering, Sri Venkateswara University Engg. College, Tirupathi (2004).
8. Published two papers titled “Knowledge management in Engineering Colleges” & “TQM In Engineering Colleges Using Theory of Constraints” in the proceedings of National Conference, Strategies for Effective Quality Management in technical Education, NMAM Institute of Technology, Nitte, Karnataka (2004).
9. Published a paper titled “Profit Based Maintenance of Automotives in Workshop Using Theory of Constraints” in the proceedings of National Conference, Emerging technologies in Advanced Manufacturing, KLNCE (2005).
10. Published a paper titled “Role of Engineering Colleges towards the expectation of Direct Customers” in the proceedings of National Conference, Technical Education in globalize Environment, SANT BABA BHAG SINGH Institute of Engg. & Tech., Punjab (2005).
11. Published two papers titled “All terrainer A new Advancement in Road Transportation”& “An analysis over the multidirectional steering design in Automotives towards traffic less Parking” in the proceedings of National Conference, Advances in Road Transportation, NIT, Orissa (2005).
12. Published a paper titled “Strategy for fuel economy Using Theory of Constraints” in the proceedings of National Conference, Strategic manage met for Competitive Advantage, KLNCE (2007).
13. Published a paper “Analysis of Catalytic Coating in two stroke IC engine” in the proceedings of the international conference ICADM 07 on 9th ,10th &11th August at Sethu Institute of Technology.

14. **Velmanirajan K.**, Syed Abu Thaheer A. and Ahamed Basha C., "Predicting the stretching behavior of mild steel strip against specimen dimension", International conference on Recent trends in Materials and Mechanical Engineering (ICMME 2008), Organized by Dr. Mahalingam College of Engg. and Tech., Pollachi 642 003 (18-20 Dec'2008). (Proceedings published in Nerosa Publisher, ISBN : 9788184870077 "Materials and Mechanical Engineering : Recent Trends" pp 178-186)
15. AkilVijayan, Bibin Joseph, **Velmanirajan K.**, Syed Abu Thaheer A. and Narayanasamy .R., "Effect of annealing temperature and thickness on tensile and formability properties on extruded aluminium strip", International conference on Emerging technology trends in advanced engineering research, Organized by Baseliros Mathews II College of Engineering, Kollam (20-21 Feb'2012).
16. **K Velmanirajan**, A Syed Abu Thaheer, R Narayanasamy, R Madhavan, Satyam Suwas, "Relative Effect of Void Coalescence and Tensile Properties on Formability of Al 1350 alloy at Various Annealing Temperatures", (paper selected for oral presentation) International conference on LIGHTWEIGHTING: POSSIBILITIES & CHALLENGES, Organized by International deep drawing research group and IIT(Bombay), Powai, Mumbai – 400 076 Maharastra, Nov' 25-28 2012.
17. **Velmanirajan K.**, Syed Abu Thaheer A., "Statistical evaluation of forming limit and uniaxial tensile test on extruded aluminium alloy strips used in automobiles", UGC Sponsored - National conference on Recent trends in Pure and applied mathematics, Organized by H.H. The Rajah's College, Pudukkottai- 622001(24 Feb'2012).

International journal

18. **Velmanirajan**, K., Syed Abu Thaheer A., Narayanasamy R., Madhavan R. and Satyam Suwas "Effect of annealing temperature in Al 1145 alloy sheets on formability, void coalescence and texture analysis", Journal of Materials Engineering and Performance, ASM International (Springer). (Recommended for publication and under review on revision1).
19. **Velmanirajan K.**, Syed Abu Thaheer A., Narayanasamy R. and Ahamed Basha C., "Numerical modeling of aluminium sheets formability using response surface methodology", Materials and Design, (Elsevier), Vol.41, pp. 239-254, 2012. Available online 21 May 2012.
20. **Velmanirajan K.**, Syed Abu Thaheer A., Narayanasamy R., Ahamed Basha C., Madhavan R. and Satyam Suwas, "Formability based crystallographic texture analysis in aluminium alloy using response surface methodology", International Journal of Materials science and Engineering A, (Elsevier) .
21. **Velmanirajan K.**, Syed Abu Thaheer A., Narayanasamy R, Madhavan R. and Satyam Suwas, "Experimental investigation of forming limit, void coalescence and crystallographic textures of aluminium alloy 8011 sheet annealed at various temperatures", Journal of Manufacturing Processes, (Elsevier).

22. Velmanirajan K., Syed Abu Thaheer A, Ponalagusamy R. and Narayanasamy R,
“Statistical evaluation of forming limit diagram for annealed al 1350 alloy sheets
using first order reliability method”, *Materials & Design*, (Elsevier),

