

BRIEF PROFILE AND BIO-DATA



SUBMITTED BY

DR.N. ALAGUMURTHI



DEPARTMENT OF MECHANICAL ENGINEERING
PUDUCHERRY TECHNOLOGICAL UNIVERSITY
(FORMERLY PONDICHERRY ENGINEERING COLLEGE)
PUDHUCHERRY-605014
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Dr.N. Alagumurthi, Professor and Head, Department of Mechanical Engineering, Puducherry Technological University (Formerly PEC), Pondicherry-605014

Dr.N.Alagumurthi, Professor and Head Department of Mechanical Engineering, Puducherry Technological University (Formerly PEC), Pondicherry is an erudite and renowned academic scholar, a high profile scientist researcher, an able administrator, a great visionary and a socially conscious innovator.

He was born in the year 1966 at Villupuram. His father late Shri.M.Natarajan and mother Thirumathi Pattu Natarajan are very simple and uneducated. He had his school education in Municipal Schools at Villupuram. Married and his wife Dr.S.Sridevy is also an educationist in the field of Nursing/Psychology, blessed with two sons.

He did his Bachelors degree in Mechanical Engineering at Government College of Engineering, Salem, Master degree in Energy Technology at the Pondicherry Engineering College, Pondicherry. He won the Pondicherry University Medal in recognition of the Outstanding Performance in the M.Tech (Energy Technology). He obtained the Best Project award for his M.Tech Project work titled, "Energy Conservation Study at Chengalvarayan Cooperative Sugar Mills Ltd, Periyasevalai, Tamilnadu". He received his PhD from Pondicherry University in recognizing his significant contribution in the area of Thermal aspects in Manufacturing.

Dr.N.Alagumurthi has made remarkable achievement in the areas of teaching, research, invention and extension activities. Starting from a modest career as a Lecturer in a Self-financing College, he rose to the present position of Professor at Pondicherry Engineering College, a premier technical institution. He had guiding many dissertations and research projects in Mechanical Engineering and Energy Technology and has 300 Papers to his credit in reputed journals and various conference proceedings. He had teaching and research experience of 33 years out of which 13 years as professor and visited Singapore, Malaysia, UAE and Bangladesh.

Dr.N.Alagumurthi is a celebrated member of Professional bodies such as Fellow of Institution of Engineers (India), Honorable Member in Aeronautical Institution of Bangladesh, Society of Power Engineers (India), The Combustion Institute of India, Aeronautical Society of India, Solar Energy Society of India, Association of Waste management and Remediation of environment, Indian Association of Air Pollution Control, etc.

Dr.N.Alagumurthi was instrumental to start the Renewable Energy Club in Pondicherry Engineering College with the sponsorship of MNRE, New Delhi and REAP, Pondicherry. Under the auspicious of Renewable Energy Club actively arranged many seminars, lectures, field visits, bioplantation programme and Renewable Energy Day essay / models/ projects competition to students.

Dr.N.Alagumurthi has been nominated as a Member of Board of Studies (both UG and PG) of K.S.R. College of Technology, Thiruchengode, an autonomous institution affiliated to Anna University and Pondicherry University. He is associated with various NGO's and voluntary organizations working in the field of Rural Energy Programme. His areas of interest include: Energy, Environment, Economical Manufacturing etc.

He is an advisor to Union Public Service Commission, Tamilnadu Public Service Commission, Jharkhand Public Service Commission, Andhra Pradesh Public Service Commission and Member of Board of Examination of various Universities. Member of Advisory/organizing committee of International Conference on I.C.Engines and Combustion , International Conference on Industrial Engineering ,International Conference on Energy Engineering , International Conference on Emerging Research and Advances in Mechanical Engineering, All India Manufacturing Technology, Design and Research Conference (AIMTDR 2010). He coauthored a book on Energy conservation and management. He is an approved Research supervisor of various universities and doctoral committee member in many universities.

He is an Expert committee member in the following academic and scientific bodies.

- University Grants Commission (UGC)
- All India Council for Technical Education (AICTE)
- National Assessment and Accreditation Council (NAAC)
- National Board of Accreditation (NBA)
- Bureau of Energy Efficiency (BEE)
- Department of Science and Technology (DST)
- Council for Scientific and Industrial Research (CSIR)
- Ministry of Environments and Forests (MoE&F)
- National Testing Agency (NTA)

Dr.N.Alagumurthi is a recipient of **BHARAT JYOTI** award in lieu of the yeomen services rendered with excellence in the field of Science and Technology – awarded by India International Friendship Society. His Biographical information has been included in the 10th Anniversary edition of **MARQUIS who's who in science and engineering (2007 and 2008)** as an acclaimed biography on account of the outstanding achievements and contributions in the field of Mechanical Engineering and Technical Education.

The Energy Society of India has honored Dr.N.Alagumurthi with **Outstanding Achievement Award (2007)** in recognition of his sterling merit, excellent performance and outstanding contribution in diverse fields of energy and engineering related activities that contributed significantly to the betterment of contemporary society. His biography has been included in the **2000 Outstanding Scientists 2008/2009,IBC Foremost Educators and Scientists of the World-2008,International Scientists of the year 2008,Leading Scientists of the world 2008** by the International Biographical Centre, Great Britain on account of remarkable record of accomplishment and outstanding contributions and achievements in the field of Engineering and Technology.

The Ministry of Rural Development, New Delhi, has appointed Dr.N.Alagumurthi as a technical expert committee member cum Government of India Representative of Rajiv Gandhi National Drinking Water Mission.

BIO-DATA OF Prof. N. ALAGUMURTHI

A. Name : NATARAJAN ALAGUMURTHI
Family Name *Given Name*

B. Address for Communication

Prof.N.Alagumurthi
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C. Date & Place of Birth:

25th September 1966, Villupuram, Tamil Nadu State, India (Certificate DOB 5th February 1965)

D. EDUCATIONAL QUALIFICATIONS

DEGREE	SPECIALISATION	UNIVERSITY	YEAR	RESULT
Bachelor of Engineering (B.E.)	Mechanical Engineering	Madras	1987	First Class
Master of Technology (M.Tech.)	Energy Technology	Pondicherry	1996	First Class with Gold Medal
Doctor of Philosophy (Ph.D.)	Mechanical Engineering	Pondicherry	2006	By Research

E. FIELD OF SPECIALIZATION

Main Area: Thermal and Manufacturing

Sub-Areas: Energy, Optimization of process and product parameters, Heat transfer and Heat generation in machining processes, Design for Manufacturing, and Manufacturing Optimization

F. PROFESSIONAL / RESEARCH EXPERIENCE

SL.NO	DESIGNATION	DEPARTMENT & INSTITUTION	PERIOD
1	Head of the department	Dept.of Mechanical Engineering Puducherry Technological University (Formerly PEC), Pondicherry, INDIA	From 16 th December 2019 onwards
2	Professor	Dept.of Mechanical Engineering Pondicherry Engineering College, Pondicherry, INDIA	From June 2007 onwards (13 th year as Professor)
3	Associate/ Assistant Professor	Dept.of Mechanical Engineering Pondicherry Engineering College, Pondicherry, INDIA	June 1999 – May 2007
4	Assistant Professor	Dept. of Mechanical Engineering, V.R.S college of Engineering and Technology, Arasur, Villupuram, INDIA	June 1996 – May 1999
5	Lecturer	Dept. of Mechanical Engineering, Adhiparasakathi college of Engineering Melmaruvathur, INDIA	December 1987 – May 1996

G. GUIDANCE OF ACADEMIC PROJECTS

- i. Doctoral Projects (Ph.D)** : 21 completed, 2 pursuing
ii. Masters Projects (M.Tech) : 36 major and mini projects guided.
iii. Bachelor Projects (B.E./B.Tech) : 70 projects guided.

H. SPONSORED RESEARCH PROJECTS:

No.	Sponsoring Agency	Title
1.	Pondicherry Council of Science and Technology Govt. of Pondicherry	Experimental investigation on the effect of crank angle on mean effective pressure in IC Engines
2.	Pondicherry Council of Science and Technology Govt. of Pondicherry	Heat flow and solid state phase transformation study on hyper and hypo eutectoid grounded steel subjected to various rapid heating and cooling cycles

I. HONOURS, AWARDS RECEIVED

1. Recipient of **BHARAT JYOTI** award in lieu of the yeomen services rendered with excellence in the field of Science and Technology – awarded by India International Friendship Society.
2. Biographical information has been included in the 10th Anniversary edition of **MARQUIS who's who in science and engineering (2007)** as an acclaimed biography because of the outstanding achievements and contributions in the field of Mechanical Engineering and Technical Education.
3. The Energy Society of India has honored Dr.N.Alagumurthi with **Outstanding Achievement Award (2007)** in recognition of his sterling merit, excellent performance and outstanding contribution in diverse fields of energy and engineering related activities that contributed significantly to the betterment of contemporary society.
4. International Biographical Centre, Cambridge, England has honored and awarded Dr.N.Alagumurthi with **2000 Outstanding Scientists 2008/2009 of the world, IBC Foremost Educators and Scientists of the World-2008, International Scientists of the year 2008, Leading Scientists of the world 2008** on account of remarkable record of accomplishment and outstanding contributions and achievements in the field of Engineering and Technology.

J. MEMBERSHIP OF ORGANISATIONS

1. Founder and Coordinator, Renewable Energy Club, Pondicherry Engineering College Chapter during 2006-2007.
2. Chartered Engineer, The Institution of Engineers (India) Kolkata, from June 1997
3. Chartered Engineer, The Institution of Mechanical Engineers (India) Mumbai, from June 1997
4. Chartered Manager, CMI of UK ,London
5. Member, Indian National Digital Library in Science and Technology consortium users group committee, Pondicherry Engineering College Chapter, June2003 – May 2004.
6. Honorable Member in Aeronautical Institution of Bangladesh, Dhaka from December 2004
7. Academic Council member of University of Madras during the year 1999
8. Academic Council member of Paavai Engineering College, Namakkal and few other Colleges
9. Member, Board of Studies of Pondicherry University, PEC, K.S.R.College of Engineering and Technology, Tiruchengode, Rajalakshmi Engineering College, Chennai, Vellalar College of Engineering and Technology, Erode,

SSN college of Engineering, Chennai, EGS Pillay Engineering College, Nagapatinam

10. Organizing Committee member of International Conference and XX National Conference on I.C.Engines and Combustion (ICONICE-2007), Hyderabad
11. Organizing Committee member of International Conference on Industrial Engineering (ICINDE'08, 09, 10, 11, 12, 13, 14, 15, 16 ,17,18 and 19) Hongkong
12. Organizing Committee member of International Conference on Energy Engineering (ICEE-2009), Pondicherry
13. National level Advisory committee member of International Conference on Emerging Research and Advances in Mechanical Engineering (ERA 2009), Chennai and Scientific Committee Member of AIMTDR2010
14. National level Advisory committee member of National Conference on Recent Advances in Mechanical Engineering (RAME- 2009), Erode
15. Advisory Committee member of International Conference on Advancements in Engineering and Technology (ICAET-2015) ,Pondicherry
16. Sectional President for Engineering, Energy, Architect and Planning of 2nd International Young Scientist Congress
17. National level Advisory committee member of International Conference on Recent innovations in production Engineering (RIPE- 2017), MIT, Chennai
18. Technical Committee member of International Conference on Recent Advances in Mechanical Engineering (ICRAME-2017) ,Vellore
19. Advisory Committee member of International Conference on Advances in Manufacturing Technology (ICAMT-2018) ,Chennai
20. Technical Committee member of International Conference on Modern Research in Engineering Science and Technology (ICMREST-2018) ,Villupuram
21. Advisory Committee member of National Conference on Robotics, Automation, Manufacturing and Power systems (NCRAMPS-2019) ,Chennai
22. Advisory Board member of International Conference on Mechanical and Building Sciences (ICMBS-2019) ,Coimbatore

K. MEMBERSHIP OF PROFESSIONAL SOCIETIES

1. Life member, Indian Society for Technical Education, India
2. Fellow, The Institution of Engineers (India)
3. Co-opted Member, The Institution of Engineers (India), PSC (Pondicherry)
4. Member, Institution of Mechanical Engineers (India)
5. Fellow member, Indian Institution of Production Engineers
6. Life member, Solar Energy Society of India
7. Life member, Society of Power Engineers (India)
8. Life member, The Combustion Institute (India)
9. Associate Member, Aeronautical Society of India
10. Life member, Ultrasonic Society of India

11. Life member, Association of Waste management and Remediation of Environment
12. Life member, Institution of Plant Engineers
13. Member, Non-conventional Energy Equipment Manufacturing Association
14. Member, Computer Society of India
15. Member, Indian Institution of Chemical Engineers
16. Life member, Indian Association of Air pollution Control
17. Life member, Indian Society for Manufacturing Engineering
18. Member, International Association of Engineers (Hong Kong)
19. Member, American Society of Mechanical Engineers(ASME)

L. DETAILS OF RESEARCH EXPERIENCE WITH LIST OF PUBLICATIONS (315 Publications/Proceedings)

- i) Number of National/International journal publications – 172
 - ii) Number of International conferences paper publications – 82
 - iii) Number of National conferences paper publications – 61
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- i) Number of National/International journal publications – 172
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1. Selvaraju, A., and **Alagumurthi, N.**, “Energy conservation and audit”, Journal of Energy management, Vol.21, No.3, July-September, 1997, pp23-30
 2. Selvaraju, A., and **Alagumurthi, N.**, “Abstract of Energy conservation and audit”, Journal of TERI Information Digest on Energy, Vol.8, No.1, March, 1998, pp87.
 3. Soundararajan, V., **Alagumurthi, N.**, and Palaniradja, K., “On the enhancement of wear resistance of hardened carbon tool steel (AISI 1095) with cryogenic quenching”, Transactions of Materials and Heat Treatment, Vol.25, No.5 (I), October 2004, pp395-397.
 4. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “Analysis on Phase transformation using Computational Thermal Principles”, Transactions of Materials and Heat Treatment, Vol.25, No.5 (II), October 2004, pp716-719
 5. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “A study on surface engineering of Normalized steels subjected to machine hardening – experimental investigations”, Transactions of Materials and Heat Treatment, Vol.25, No.5(II), October,2004, pp1325-1332.
 6. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “Optimization of grinding process through design of experiments (DOE) – A comparative study”, International journal of materials and manufacturing processes, Vol 21,January 2006, pp 19-21 – 42 citations

7. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., Phase transformation and residual stress analysis in grinding of steel materials-A detailed experimental investigation”, International Journal of Manufacturing science and production, Vol 7 (2), 2006 pp73-86.
8. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., Surface modification and surface melting in grinding- A comparative and comprehensive study”, International Journal of Manufacturing science and production, Vol 7(2), 2006, pp101-126
9. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., Cylindrical grinding –A review on surface integrity”, International Journal of Precision engineering and manufacturing Vol 8 No.3, July 2007, pp 24-44
10. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “Heat generation and heat transfer analysis in cylindrical grinding process- a numerical study”, International journal of Advanced manufacturing technology, Vol 34,Numbers 5-6,September 2007, pp 474-482 -7 citations
11. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., Optimization of process parameters in grinding on different dimensions and perspectives”, International Journal of Industrial and Systems Engineering, Vol 3 No.4, 2008, pp447-73 – 4 citations
12. **Alagumurthi, N.**, “Work roll grinding-modeling and optimization using artificial neural network and genetic algorithm” Journal of Manufacturing Engineering, Vol 4, Issue 1, 2009 ,pp45-51
13. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Parameter optimization study on control of distortion in bright bar used in Rack application subjected to induction Heat treatment” , Transactions of Materials and Heat Treatment, Vol.25, No.5(I), October,2004, pp579-581.
14. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Evaluation of process capability in Gas carburizing process to achieve quality through limit design concept”, Transactions of Materials and Heat Treatment, Vol.25, No.5 (I), October 2004, pp395-397
15. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Optimization of Process variables in Gas Carburizing Process: A Taguchi Study with Experimental Investigation on SAE 8620 and AISI 3310 Steels”, Turkish

Journal of Engineering and Environmental Sciences, Vol. 29 ,No.5,September, 2005, pp 279-284. – 6 citations

16. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Induction Hardening Process: An Experimental Approach on AISI Steel,” Engineering Advances (A Premier technology magazine of the engineering industry.), Vol.17, No.9, September, 2005 (ISSN 0971-2968), pp20-30.
17. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Optimization of Process Variables in Gas Carburizing – An Experimental Investigation with AISI 3310 Steel material”, International journal of Materials and Manufacturing Processes, Vol.21, January 2006, pp 111-113
18. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Hardness and case depth analysis through optimization techniques in surface hardening processes”, The Open Materials Science Journal, Vol No.3, 2009, pp 86-111
19. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Modeling of phase transformation in induction hardening”, The Open Materials Science Journal, Vol No.3, 2009, pp 112-121
20. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Thermal and metallurgical effects associated with gas carburizing and induction hardened components”, The Open Materials Science Journal, Vol No.3, 2009, pp 122-139
21. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Residual stresses in case hardened materials”, The Open Materials Science Journal, Vol No.3, 2009, pp 140-150
22. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Controlling Shape and Size distortions in Gas carburized steel materials” Elixir International Journal of Mechanical Engineering, Vol33, 2011pp2214-2218
23. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Experimental analysis of thermal distortion in thermo chemical treatment” Elixir International Journal of Mechanical Engineering, Vol33, 2011pp2339-2344
24. Elamaran, J., Soundararajan, V., Palaniradja, K., and **Alagumurthi, N.**, “The estimation of Temperature and hardness distribution in heat treated complex shaped components” International Journal of Microstructure and Material properties, Vol 3 ,No 4-5, 2008 ,pp 548-562

25. Micha Premkumar, T., **Alagumurthi, N.**, and Palaniradja, K., "Conjugated heat transfer analysis of gas turbine vanes using McCormack's techniques", - International Scientific Journal of Thermal Science, Vol 12 No.3, 2008 pp 65-73.

26. Kajendirakumar, Ch., Soundararajan, V., and **Alagumurthi, N.**, Reverse logistics trends and models-A review", International Journal of Manufacturing science and production, Vol 8(1), 2007, pp 01-14.

27. Mohanasundararaju, N., Sivasubramanian, R., and **Alagumurthi, N.**, "Optimization of roll grinding of D2 steel with multiple performance characteristics using taguchi method with Fuzzy logics", International Journal of Manufacturing Science and Production, Vol 7(3-4), 2006, pp263-269

28. Mohanasundararaju, N., Sivasubramanian, R., and **Alagumurthi, N.**, "Multi-Objective Optimization of Traverse Grinding Operation on D2 Steel Work Rolls Using Evolutionary Algorithm", International Journal of Manufacturing Science and Production, Vol 7(3-4), 2006, pp283-290

29. Mohanasundararaju, N., Sivasubramanian, R., Gnanaguru, R., and **Alagumurthi, N.**, "A Neural Network and Fuzzy based methodology for the prediction of work roll surface roughness in a Grinding Process", International Journal of Computational methods in Engineering Sciences and Mechanics ,Vol 9:2,2008, pp103-110

30. Mohanasundararaju, N., Sivasubramanian, R., and **Alagumurthi, N.**, "Optimization of work roll grinding using response surface methodology and evolutionary algorithm", International Journal of Machining Research, Vol 3 No.2, 2008, pp236-251 – 8 citations

31. Mohanasundararaju, N., Sivasubramanian, R., and **Alagumurthi, N.**, "Experimental investigations on work roll grinding of D2 steel for the selection of Optimal parameters", International Journal of Manufacturing Science and Production, Vol 9(1-2), 2008, pp01-10

32. Ganapathy,T., Gakkhar,R.P., Murugesan,K., **Alagumurthi, N.**, and Seran,M., " Energy and Exergy analysis of operating Thermal Power Plant at 50Mwe Grid load" , Journal on Future Engineering and Technology,Vol 4.No.2,2009,pp34-40

33. Ganapathy,T., **Alagumurthi, N.**, Gakkhar,R.P., and Murugesan,K.,, "Exergy analysis of Operating Lignite Fired Thermal Power Plant " ,

Journal of Engineering Science and Technology Review, Vol 2.No.1,2009,pp123-130 – 28 citations

34. Sambathkumar, R, **Alagumurthi, N.**, and Soundararajan, V., “Review on Tolerance Analysis, allocation and constraints in Manufacturing”, International Journal of Manufacturing science and production, Vol 10.No.1, 2009, pp 01-15
35. Sambathkumar, R, **Alagumurthi, N.**, and Ramesh, R., “Calculation of Total cost, tolerance based on Taguchi’s asymmetric quality loss function approach”, American Journal of Engineering and applied sciences, Vol. 2(4), 2009, pp 628-634. – 4 citations
36. Sambathkumar, R, **Alagumurthi, N.**, and Ramesh, R., “Simultaneous optimization of Design tolerance and total cost for a Piston and Cylinder assembly”, International Journal of Applied Engineering Research, Vol 4 No12. 2009, pp2463-2476
37. Sambathkumar, R, **Alagumurthi, N.**, and Ramesh, R., “Optimization of Design tolerance and asymmetric quality loss cost using pattern search algorithm”, International Journal of Physical Sciences, Vol 4 No11, 2009, pp629-637
38. Sambathkumar, R, **Alagumurthi, N.**, and Ramesh, R., “Integrated total cost and tolerance optimization with genetic algorithm”, International Journal of Computational Intelligence Systems, Vol 3 No 3. 2010, pp325-333. – 5 citations
39. Sambathkumar, R, **Alagumurthi, N.**, and Ramesh, R., “Comparison of optimization of total cost and tolerance cost using GA and pattern search techniques”, International Journal of Production Research (Under Review)
40. Karthikeyan,R., Nallusamy,N., **Alagumurthi,N.**, and Ilangovan,V., “ A detailed experimental investigation on hot air assisted turpentine direct injected compression ignition engine” , International Journal of Engineering Science and Technology, Vol 2 (10) ,2010 pp 5034-5049.
41. Karthikeyan,R., Nallusamy,N., **Alagumurthi,N.**, and Ilangovan,V., “ Optimization of Engine operating Parameters for Turpentine mixed diesel fueled DI Diesel Engine using Taguchi Method” , International Journal of Modern Applied Science, Vol 4 (12) ,December 2010 pp 182-192.

42. Thiyagarajan.A, Palaniradja.K, and **Alagumurthi.N**, “ Low Velocity Impact Analysis of NanoComposite Laminates” International Journal of NanoScience, Vol 11 Issue 3 June 2012, pp1-9

43. Thiyagarajan.A, Palaniradja.K, and **Alagumurthi.N**, “Effect of nanoclay on impact strength of chopped glass fibre epoxy composites” International Journal of Mechanical and Materials Engineering (Under Review)

44. Thiyagarajan.A, Palaniradja.K, and **Alagumurthi.N**, “The nanoclay influence on mechanical properties of mixed glass fibre polymer composites” International Journal of Mechanical and Materials Engineering (Under Review)

45. Raviprakash,A.V., **Alagumurthi,N.**, and Soundararajan,V., “Supply chain management-A Review on Material flow, Information flow and Buyer-Seller relationship” Journal of Manufacturing Engineering, Vol 2, Issue 3, 2007 ,pp190-208.

46. Raviprakash,A.V., Prabhu.B., **Alagumurthi,N.**, and Soundararajan,V., “RFID: Rx to Healthcare Industry” The ICFAI University Journal of Supply Chain Management, Vol 6, Issue 2, 2009 ,pp07-25

47. Raviprakash,A.V., Prabu, B., **Alagumurthi, N.**, Naresh, M., Giriprasath,A., “Effect of Stationary Edge and Center cracks on static buckling strength of thin plates under uniform axial compression” , Journal of Solid Mechanics, Vol 1 No 2 2009, pp 118-129.

48. Raviprakash,A.V., Prabu, B., **Alagumurthi, N.**, “Structural reliability of thin plates with random geometrical imperfections subjected to uniform axial compression” , Jordanian Journal of Mechanical and Industrial Engineering, Vol 4 No.2 , 2010, pp 270-278.

49. Raviprakash,A.V., Prabu, B., **Alagumurthi, N.**, “Mean value first order second moment analysis of buckling of axially loaded thin plates with random geometrical imperfections” , International Journal of Engineering Science and Technology, Vol 2 No.4 , 2010, pp 150-162.

50. Raviprakash,A.V., Prabu, B., Adhithya plato, Sidharth.A.,Pradeep,P., **Alagumurthi, N.**, “ Prediction of reliable load for thin plates with random geometrical imperfections using pseudo random numbers”, The ICFAI University Journal of Mechanical Engineering, Vol 3, Issue 1, February 2010 ,pp07-25

51. Raviprakash,A.V., Prabu, B., K.Dheenadayalan and **Alagumurthi, N.**, “Parametric study on buckling behavior of thin laminated composite plates” ,Elixir International Journal of Mechanical Engineering, Vol33, 2011pp1980-1986.
52. Raviprakash,A.V., Prabu, B., and **Alagumurthi, N.**, “ Nearness Effect of two short dents on the ultimate strength of a thin square plate under uniform axial compression”, International Journal of Applied Engineering Research, Vol. 6(5),2011
53. Raviprakash,A.V., Prabu, B., and **Alagumurthi, N.**, “ Ultimate Strength of square plate with a longitudinal/transverse dent under axial compression”, Journal of Mechanical Science and Technology, Vol. 25(9),pp 2377-2384,2011
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55. Raviprakash, A.V., Prabu, B., and **Alagumurthi, N.**, “ Residual Ultimate compressive strength of dented square plates”, Thin –walled structures,Vol.58,pp 32-39,2012
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- 58.Anandavelu, K., **Alagumurthi, N.**, Saravanan, C.G., “Experimental Investigation of Using Eucalyptus Oil and Diesel Fuel Blends in Kirloskar TV1 Direct Injection Diesel Engine” Journal of Sustainable Energy and Environment, vol. 2, pp.93-97, 2011.
- 59.Anandavelu, K., **Alagumurthi, N.**, Saravanan, C.G., “Effect of Exhaust Gas Recirculation to Control Nox Emission in Direct Injection Diesel Engine Powered by Eucalyptus oil” , International Journal of Sustainable Energy,Vol30 (1) ,2011, pp s66-s75.

60. Anandavelu, K., **Alagumurthi, N.**, Saravanan, C.G., "Performance, Combustion and Emission Characteristics of a Low Heat Loss Diesel Engine operated on Eucalyptus oil and diesel fuel blends". (Status is accepted and in editorial process by International Journal of Energy Sources Part – A, Heat recovery and Utilization. Published by Taylor and Francis).

61. Anandavelu, K., **Alagumurthi, N.**, Saravanan, C.G., "Performance, Combustion and Emission Characteristics of Low Heat Rejection Compression Ignition Engine Powered By Turpentine Oil" (Status is under review by International Journal on Thermal Science).

62. Anandavelu, K., **Alagumurthi, N.**, Saravanan, C.G., "Performance, Emission and Combustion Characteristics of two Biofuel and diesel blends in Yttria-Stabilized Zirconia Coated Diesel Engine" (Status is under review by International Journal on Renewable Energy Technology).

63. Anandavelu, K., **Alagumurthi, N.**, Saravanan, C.G., "A comparative study on Performance, Emission and Combustion Characteristics on D.I. Diesel engine powered by two biofuel and diesel blends" (Status is under review by Journal on Mechanical Engineering)

64. Anandavelu, K., **Alagumurthi, N.** and Saravanan, C.G. "Experimental Investigation of Using Eucalyptus Oil and Diesel Fuel Blends in Kirloskar TV1 Direct Injection Diesel Engine", Journal of Sustainable Energy & Environment, Vol.2. pp. 93-97, 2011.

65. S.Ravichandran, **N. Alagumurthi**, and K.Palaniradja, "Optimization of casting weight using Box-Behnken design in Foundry industry for energy conservation", Indian Foundry Journal, Vol.57(8), pp 41-47, August 2011.

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24. Febronia, D., and **Alagumurthi, N.**, “Trigeneration – An improved cogeneration system”, National conference on Recent Advancements in Mechanical Engineering-RAME 2007 held at K.S.R. College of technology, Tiruchengode, Tamilnadu between 21st and 22nd February 2007.
25. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “Study and Selection of Grinding conditions based on the Taguchi’s Parametric Optimization with ANN Approach”, National conference on Modeling and Simulation in Manufacturing Engineering – MOSIM – 2006, held at Annamalai University, Chidambaram, Tamilnadu between 18th and 19th March 2006.

26. Venugopal, T., **Alagumurthi, N.**, and Palaniradja, K., “ Current trends in diesel engine-A survey” National conference on application of advanced quality methods in engineering and technology” Erode senguthar engineering college, Erode,22-24 February 2006.
27. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Surface integrity of case hardened steels from residual stress point of view – An Experimental study in Gs carburizing”, National Conference on Emerging Trends in Mechanical Engineering, ETIME –2006, held at BMSCE – Bangalore, between 10th and 11th February 2006.
28. Venugopal,T., **Alagumurthi, N.**, and Palaniradja, K., “Achieving High Efficiency clean combustion (HECC) in diesel engines – An survey”, 19th National Conference on IC engines and combustion, Annamalai University, Chidambaram, between 21st and 23rd December 2005.
29. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “A study on volume changes and dimensional changes in surface hardened parts – Transformation and Thermal stress analysis in Induction hardening processes” National Conference on Recent Advances in Manufacturing Technology – 2005, NIT, Rourkela,22-23rd October 2005.
30. Elamaran, J., Palaniradja, K., and **Alagumurthi, N.**, “Air quality monitoring”, 2nd National Conference on Emerging trends in Civil Structure and Environmental engineering”, Adhiyammann Engineering College, Hosur, Tamilnadu, 29 – 30th September 2005.
31. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Case depth and Hardness analysis in Gas carburizing – A limit design concept study subjecting AISI H21 (Tungsten base tool steel material)”, National Conference on Science and Technology of Advanced Materials (STAM – 05), held at PEC – Pondicherry, between 27th and 29th July 2005.
32. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “Heat generation optimization in grinding of eutectoid steel materials- artificial neural network approach with experimental investigation”, National Conference on Science and Technology of Advanced Materials (STAM – 05), held at PEC – Pondicherry, between 27th and 29th July 2005.
33. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “An Experimental Approach on AISI steel materials for Induction Hardening process parameter selection”, Advances in Mechanical Engineering, AIM –2005, Vasavi College of Engineering, Hyderabad, May 13-14, 2005.
34. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., “Control of Distortion in AISI 4340 steel subjected to Induction heat treatment – A

Design of Experiment Study”, National Conference on Product Development with Mechatronic Systems for Global Quality (PMGQ – 2005), held at TCE – Madurai, between 2nd and 3rd May 2005.

35. Eswaramoorthy, M., and **Alagumurthi, N.**, “Hydrogen fuel as permanent energy system for 21st century” National conference on future energy options, Kumaraguru college of technology, Coimbatore, 22-24 April 2005.
36. Micha Premkumar, S., **Alagumurthi, N.**, and Palaniradja, K., “Numerical investigation on conjugate heat transfer in gas turbine vane using McCormack’s techniques” National conference on Recent trends in Mechanical Engineering, at Dr. Pollachi Mahalingam College of Engineering and Technology, Pollachi, 1- 2nd April 2005.
37. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “Temperature Modeling and optimization of heat generation in Cylindrical Grinding Process- Experimental study and validation using AISI steel materials”, National conference on Contemporary Approaches in Design and Manufacturing, (CADAM’05) Karaikudi, 22-24th March 2005
38. Eswaramoorthy, M., and **Alagumurthi, N.**, “Theoretical investigation on solar rankine engine- Hydrogen storage hybrid power generation system”, National Conference on Emerging Trends in Energy and Environment, held at SriRam Engineering College, Chennai between 18th and 19th February 2005.
39. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “Experimental studies on specific grinding energy causing selective hardening and over hardening effect on Non-shrinking die steels” All India Manufacturing Technology, Design and Research Conference (21st AIMTDR) –held at VIT – Vellore, December 20, 21 & 22 – 2004
40. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., “An insight into Surface modification of steels subjected to machining hardening from materials view point – An Experimental investigation with Commercial steels” All India Manufacturing Technology, Design and Research Conference (21st AIMTDR) – held at VIT – Vellore, December 20, 21 & 22 – 2004.

41. Eswaramoorthy, M., and **Alagumurthi, N.**, "Performance analysis of low cost solar water heater coupled with wind turbine driven axial flow pump", National Conference on Emerging Trends in Mechanical Engineering, held at padre conuigao college of Engineering, Goa, between 10th and 12th September, 2004.
42. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., "Achieving quality through optimization of process variables in gas carburizing", National Conference on Challenges in Achieving Global Quality – CAGQ, held at TCE – Madurai, between May 24th and 25th 2004.
43. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., "An insight into optimum Grinding conditions from Design of Experiment (DOE) point of view", National conference on Challenges in Achieving Global Quality – CAGQ, held at TCE – Madurai, between May 24th and 25th 2004.
44. Sundaravalli, S., **Alagumurthi, N.**, and Palaniradja, K., "Modeling and analysis of embedded cracks in pipes of a double pipe heat exchanger- a fem approach in inspection on quality control", National conference on Challenges in Achieving Global Quality – CAGQ, held at TCE – Madurai, between May 24th and 25th 2004.
45. Manibaskar, L., **Alagumurthi, N.**, and Palaniradja, K., "Modeling and analysis of thermal barrier coatings – A FEM approach in functionally graded materials", National conference on future trends and advances in mechanical engineering, held at BIHER, Chennai, 21st May 2004.
46. **Alagumurthi, N.**, Palaniradja, K., and Soundararajan, V., Quality Improvement through optimizing the grinding process parameters – An experimental investigation, Proceedings of the National Conference on Recent Developments in Material Processing", BCET, Karaikal, 6th March 2004.
47. Palaniradja, K., **Alagumurthi, N.**, and Soundararajan, V., "Hardness and microstructure study of carbon steel subjected to cryogenic quenching", National Conference on Recent Developments in Material Processing RDMP – 2004, held at BCET – Karaikal, 6th March 2004.
48. Sundaravalli, S., and **Alagumurthi, N.**, "Detection of wall loss defects in pipes of a double pipe heat exchanger", National conference on

trends in instrumentation and control engineering, Taphar institute of engg and tech, Patiala, 5-6, February 2004

49. Palaniradja, K., Gunasekarane, S., and **Alagumurthi, N.**, “Energy audit and conservation in diary industry” National symposium on recent advances in renewable energy technologies, kolapur, 13-14 August 2002

50. **Alagumurthi, N.** Palaniradja, K., and Dhinakaran, R., “Performance test on Scheffler Solar Cooker” National symposium on recent advances in renewable energy technologies, kolapur, 13-14 August 2002.

51. Anbalagan, N., and **Alagumurthi, N.**, “Techno economic evaluation of cogeneration in India”, National seminar on condensed matter and applications to non-conventional energy, chenganachery, Kerala, 27-29 March 1999

52. Selvaraju, A., and **Alagumurthi, N.**, “Experimental analysis on solar hybrid distillation system for salt and water”, ANERT National conference on renewable energy1999, Thiruvananthapuram, 11-12 February 1999

53. Selvaraju, A., and **Alagumurthi, N.**, “Geothermal energy for 2000”, National seminar on energy crisis by the year2000, Arunai Engg College, Thiruvannamalai, 18-19 December 1998.

54. Selvaraju, A., **Alagumurthi, N.**, and Arivazhagan, A., “Hybrid system for mineral and energy from rice husk- a feasibility study”, National seminal on energy for better tomorrow – renewable and non renewable energy sources kavikul guru institute of technology, Ramtek, 26-28 December 1997.

55. Selvaraju, A., **Alagumurthi, N.**, and Sathiyamoorthy, A., “Appropriate energy technology for Netapakkam commune- Pondicherry”, National seminal on energy for better tomorrow – renewable and non renewable energy sources kavikul guru institute of technology, Ramtek, 26-28 December 1997.

56. Selvaraju, A., and **Alagumurthi, N.**, “Solar assisted incubator”, National seminal on energy for better tomorrow – renewable and non

renewable energy sources kavikul guru institute of technology, Ramtek, 26-28 December 1997.

57. Selvaraju, A., **Alagumurthi, N.**, and Kanagaraj, S., "Solar assisted hybrid system for salt and water" 21stNational solar energy convention, Anna university and solar energy society of India, Chennai, 22-24 December 1997.
58. Selvaraju, A., **Alagumurthi, N.**, and Mohandoss, R., "Solar adsorption refrigeration system-a feasibility study" 21st National solar energy convention, Anna university and solar energy society of India, Chennai, 22-24 December 1997.
59. Selvaraju, A., and **Alagumurthi, N.**, "Energy from waste of a solvent extraction plant- an analytical study" 21st National solar energy convention, Anna university and solar energy society of India, Chennai, 22-24 December 1997.
60. Selvaraju, A., and **Alagumurthi, N.**, "A theoretical approach on rice husk gasification for power cogeneration through multitubular gasifier" Seminar on recent developments in fluidized bed biomass gasification, Anna University, Chennai, 21st march1997.
61. Selvaraju, A., and **Alagumurthi, N.**, "Energy conservation study at chengalvarayan co-operative sugar mills ltd, Periyasevalai, Tamilnadu", National conference on alternative and renewable energy technologies, Osmania university, Hyderabad, 10-11 January1997

M. DETAILS OF REWARDS GIVEN TO THE PUBLICATIONS

1. A reward of Rs1000/- in appreciation of our contribution to the journal of Engineering advances by High Tech publishing private ltd., Mumbai for the article, "Induction Hardening Process: An Experimental Approach on AISI Steel," Engineering Advances (A Premier technology magazine of the engineering industry.), Vol.17, No.9, September, 2005 (ISSN 0971-2968), pp20-30.
2. A reward of Rs600/- in appreciation of our contribution to the journal of Energy management by National productivity council, New Delhi for the article "Energy conservation and audit", Journal of Energy management, Vol.21, No.3, July-September, 1997, pp23-30

N. DETAILS OF PAPERS REFERED OUR WORK (CITED AS REFERENCES), H index and i10 index as per Google Scholar information

H index – around 10 and i10 index around 60 and a paper on solar energy utilization published in Desalination Journal, which is having an impact factor of 5.9

Several articles have cited the following paper (100- Citations-Only a sample is given under other papers have also been referred by many researchers and scientists)

Alagumurthi, N., Palaniradja, K., and Soundararajan, V., “Optimization of grinding process through design of experiments (DOE) – A comparative study”, International journal of materials and manufacturing processes, Vol 21, January 2006, pp 19-21 **Cited /Referred in 100 papers**

- Yuang-Kuang Yang, Jie-Ren shie, Rong-Tai Yang and Hua-An Chang, “Optimization of injection Molding Process for Contour Distortions of Polypropylene Composite Components Via Design of Experiments Method”, Journal of Reinforced plastics and Composites, Vol.25. No.15, 2006, pp 1585-1599
- Stratton, P.F., “Optimizing nano-carbide precipitation in tool steels”, Journal of Materials science and engineering A, Volumes 449-451, 25 March 2007, pp809-812
- Hsin-Te Liao and Jie-Ren Shie, “Optimization on selective laser sintering of metallic powder via design of experiments method”, Journal of Rapid Prototyping, Vol 13 issue 3, 2007, pp 156-162
- Hyun Uk Kim, Sang Hwa Jeong, Hye Jeong Kim, Jeong Ho Kim, “Optical Properties of Aspheric Glass lens using DLC Coating Mold”, Journal of Key Engineering materials, Vol 345-346(2007), pp 1377-1380

O. DETAILS OF PROGRAMMES ORGANISED/ATTENDED AND PARTICIPATED

Sl.No	Title of the programme	Organization	Period
1.	Further Educational Leadership Development Programme	AICTE- INDIA and British Council UK	April , June ,December 2014and June, October 2015
2.	Fourth International Conference on Natural Polymers and Biomaterials	IUMSE,MGU,Kottayam, WUT,Poland and LaBios,Brazil	10-12 April 2015

3.	World Summit on Accreditation	NBA ,Newdelhi	March 2014
4.	Two weeks Staff development Programme on Nanotechnology	Coordinator and 7 lakhs funded by AICTE	September 2011
5.	National conference on demand side options for energy sustainability	Jointly organized by Energy society of India and Pondicherry Engineering College, Pondicherry	25 th October 2007
6.	International conference on Modeling and simulation	Coimbatore Institute of technology, Coimbatore	27-29 August 2007
7.	AICTE-ISTE sponsored Short term training programme on Agent Technology and Web services	Sri Manakula Vinayagar Engineering College, Pondicherry	19 th to 23 rd March 2007
8.	AICTE sponsored Staff Development Programme on Advances in Embedded and Wireless Technology	Sri Manakula Vinayagar Engineering College, Pondicherry	18 th to 28 th January 2007
9.	AICTE sponsored Staff Development Programme on Computational intelligence for system automation and communication	Sri Manakula Vinayagar Engineering College, Pondicherry	18 th to 28 th December 2006
10.	ISTE approved Short term training programme on Manufacturing Excellence	Adhiparasakthi Engineering College, Melmaruvathur	11 th to 15 th December 2006
11.	ISTE winter school on Advanced in software Engineering Methodologies	Pondicherry Engineering College, Pudhucherry	6 th to 10 th November 2006
12.	National Seminar on Advances in Networks and Communication	Sponsored by AICTE and organized by Sri Manakula Vinayagar Engineering College, Pondicherry	18 th to 20 th October 2006
13.	National conference on Modeling and Simulation in Manufacturing Engineering MOSIM 2006	Annamalai University, Chidambaram, Tamilnadu	18 th and 19 th March 2006
14.	Recent Advances in	Sponsored by AICTE	27, 28 and 29 th of

	Renewable Energy Technology Transfer	and organized by Sri Manakula Vinayagar Engineering College, Pondicherry	January 2006.
15.	International Conference on Resource Utilization and Intelligent Systems – INCRUIS –2006	Kongu Engg College, Erode	4 th to 6 th January 2006
16.	International Conference on Material Processing and Management –2005	Bannari Amman Institute of Technology, Sathyamanglam	December 12-14 th 2005
17.	National Conference on Science and Technology of Advanced Materials (STAM – 05)	Pondicherry Engineering College, Pondicherry	27 th and 29 th July 2005
18.	National conference on Contemporary Approaches in Design and Manufacturing (CADAM'05)	Alagappa chettiar college of engg and Tech, Karaikudi	22-24 th March 2005
17.	International Conference on Recent Advances in Material Processing Technology	National Engineering College, Kovilpatti	23-25 th February 2005
18.	4 th International Mechanical Engineering Conference,	Institution of engineers Dhaka, Bangladesh, and BUET, Bangladesh	29- 31 st December 2004.
19.	All India Manufacturing Technology, Design and Research conference	Vellore Institute of technology, Vellore	December 20, 21 & 22 – 2004
20.	Recent advances, growth and achievements in modern engineering towards 2020	7 th Annual Convention & National Seminar jointly organized by Sri Manakula Vinayagar Engineering College, Pondicherry and ISTE	26-27 th of November 2004
21.	National seminar on recent technological advances in engineering	Mailam engg college, Mailam	4 th September 2004
22.	National conference on Challenges Achieving through Global Quality – CAGQ	Thiyagarajar College of Engineering, Maduari	May 24 th and 25 th 2004
23.	National Conference on Recent Developments in Material Processing	Bharathiyar College of Engg and Tech, Karaikal	6 th March 2004,

	RDMP – 2004		
24.	Solar building Programme 2003	Organized by DRDA, Pondicherry, sponsored by MNES, New Delhi, and DRDA Pondicherry	21 st August 2003
25.	AICTE sponsored National workshop on thermal and manufacturing aspects of composites	Annamalai university, Chidambaram	26-31 May 2003
26.	National seminar on convergence of technologies by 2010	Arunai Engineering college, Thiruvannamalai	20-22 January 2001
27.	Two day workshop on Educational utilization programme on standardization and quality system	Jointly organized by Bureau of Indian Standards, New Delhi and PEC, Pondicherry	27 th and 28 th August 1999
28.	National workshop on concurrent engineering practices in automotive design	RMK engineering college, Chennai	28 th February 1999
29.	National seminar on energy crisis by the year 2000	Arunai engg college, Thiruvannamalai	23-24 January 1999
30.	ISTE winter school on Recent trends in advanced materials science	Pondicherry engineering college, Pondicherry	10-24 December 1998
31.	National seminar on energy for better tomorrow – renewable and non renewable energy sources	kavikul guru institute of technology, Ramtek	26-28 December 1997
32.	National solar energy convention	Anna university, Chennai and solar energy society of India	22-24 December 1997
33.	ISTE winter school on Institute industry linkage-Ways of effective implementation	ISTE chapter, Periyar maniyammai college of Technology for women, Vallam	17-22, November 1997
34.	SERC school on reliability, availability and maintainability of manufacturing processes	IIT, New Delhi	14- 25 April 1997
35.	National conference on alternative and renewable energy technologies	Osmania university, Hyderabad	10-11 January 1997

36.	Short term course on advances in heat exchangers	IIT, Chennai	10-20 December 1996
37.	Seminar on credit based system in higher education	University of Madras, Chennai	5-6 August 1996
38.	Workshop on Faculty on need analysis, AICTE and ISTE sponsored	Anna University	17 th February 1996
39.	Senior level training programme on solar thermal technologies	PEC, Pondicherry and DRDA	9-10 October 1995
40.	Industrial Training in workshop, Body building and Tyre plant	Thanthai Periyar Transport Corporation Ltd, Villupuram	28 th May to 21 st June 1985

P. DETAILS OF TECHNICAL REVIEWER IN JOURNALS

Serving as a editorial board member/technical Reviewer/Referee in the following journals

- Indian Journal of Manufacturing Engineering
- International Journal of Engineering manufacture
- International Journal of Production Research
- International Journal of Engineering Optimization
- International Journal of Manufacturing Science and Technology
- International Journal of Manufacturing Technology and Management
- International Journal of Advanced Manufacturing Technology
- International Journal of Material Science Forum
- International Journal of Fluid Mechanics
- International Journal of Sustainable Energy
- International Journal of Engineering Design
- Journal of Heat Transfer
- International Journal of Advanced Operations Management (IJAOM)
- Journal of Control and Systems Engineering (JCSE)
- Journal for Progress in Additive Manufacturing
- International Journal of Enterprise Network Management (IJENM)

- Journal of Materials Research and Technology
- Int. J. of Energy Technology and Policy
- Int. J. of Biomedical Engineering and Technology (IJBET)
- Applied Surface Science
- Journal of Engineering Science & Technology

P. DETAILS OF M.TECH PROJECTS GUIDED

Sl. No	Name of the candidate	Month and year	Title of the Project
1	V.Velmurugan	January 2000	Thermal design of heat pipes for air preheater application in steam generator (BHEL,Trichy)
2	S.Senthil Jayakumar	June 2000	Energy saving measures in the concentration plant of Chemfab Alkalies Pvt Ltd, Pondicherry
3	M.Murougaveny	June 2000	Fluidization techniques in energy engineering
4	Murali Krishna Teki	June 2000	Design of Heat Exchanger Network
5	Murali Krishna Teki	February 2001	Exergy destruction analysis of an air-cooled refrigerant condenser
6	S.Julyes Jaisingh	July 2001	Energy conservation study in lighting and electrical utilities at SNAM alloys Pvt Ltd,Pondicherry
7	A.Dhanalakshmi	July 2001	Energy Audit in High temperature industrial furnace(SNAM alloys Pvt Ltd,Pondicherry)
8	A.Dhanalakshmi	February 2002	Hydrodynamics of two phase flow in a vapour generator for a solar pond
9	J.Pavalavana Pandiyan	February 2002	Thermal energy auditing on steam generation, utilization and distribution in Hindustan Lever Ltd(Detergent division),Pondicherry
10	T.Ganapathi	February 2002	Exergy analysis of coal fired thermal power plant (NLC Ltd, Neyveli)
11	M.Eswaramoorthy	May 2002	Design and simulation of low cost natural circulation type solar water heater
12	G.Baskaran	February 2003	Design optimization and simulation of shell and tube heat exchangers

13	B.Sahaya Antony Baba	July 2003	Efficiency improvement in fired heaters(Boilers) and design of shell and tube heat exchanger as furnace oil preheater(Helen Industries, Chennai)
14	S.Sundaravalli	January 2004	Detection of wall loss defects in pipes of a double pipe heat exchanger based on thermography
15	S.Sundaravalli	June 2004	Theoretical modeling and analysis of embedded cracks in pipes of a double pipe heat exchanger based on thermography (Phase II)
16	L.Manibaskar	January 2004, June 2004	Modeling and simulation of heat transfer in composite materials using FEM approach (Phase I & II)
17	J.Kuberan	January 2004, June 2004	Improvement of boiler efficiency by reducing moisture content in bagasse and minimizing losses in process evaporator of the sugar mill – Phase I & II (Arunachalam sugar mills Pvt Ltd,Thiruvannamalai)
18	M.Eswaramoorthy	June 2004	Theoretical investigation on solar rankine engine-hydrogen storage hybrid power generation system
19	T.Michapremkumar	December 2004, June 2005	Conjugate heat transfer in gas turbine blade and vane cooling using CFD approach (Phase I & II)
20	T.Venugopal	January 2006, June 2006	Modeling and simulation of integrated thermal power and desalination plant (Phase I & II)
21	K.Dhanagovind	January 2006, June 2006	Design, modeling and simulation of high efficiency triple cycle for solar power generation (Phase I & II)
22	G.Radhaboy	January 2006, June 2006	Experimental studies on yield of pyrolysis and their characteristics (Phase I & II)
23	D.Febronía	December 2006, June 2007	Numerical simulation of solar desalination system(Phase I & II)
24	V.Velmurugan	December 2007, July 2008	New working pairs for vapour absorption refrigeration system
25	S.Jayabharathy	2009	Investigations on Fuel cells
26	P.Rajasekaran	2010	Investigations on Solar PV Cells

27	S.Mukunthan	2011	CFD analysis
28.	R.Senthil	2012	Design and Development of Novel freezing device
29	S.Panner	2013,14	Solar Heater
30	S.Mohan	2013,14	Nanomaterials and PV cells
31	Noor Ahmed	2014,15	Solar Dryer
32	Jai saran	2014,15	Solar Desalination
33	Loganathan	2015-16	Bio fuel
34	Vigneshwar	2015-16	Vapour Jet Refrigeration
35	S.Prasath	2016-17	Tractor Radiator – Nano Additives
36.	P.Sathiya Prakash	2016-17	EGR
37	M.Manikandan	2018-19	Solar Desalination
38	K.R.Maheswaran	2018-19	Phase change materials
39	S.Gokul	2019-20	Tidal Energy

Q. LIST OF RESEARCH PROJECTS GUIDED/GUIDING FOR PhD

No.	Name of the candidate	Title
1.	Mr.R.Sambathkumar Assistant Professor Dept of Mechanical Engineering SMVEC,Pondicherry	Tolerance analysis (PhD completed and awarded)
2.	Mr.S.Ravichandiran Assistant Professor Dept of Mechanical Engineering BCET, Karaikal.	Energy management studies in Foundry industries (PhD completed and awarded)
3	Mr.D.Candane Senior Lecturer Dept of Mechanical Engineering PIPMATE Polytechnic College, Karaikal.	Experimental investigation on the Thermal problems in Heat Treatment Industries (PhD Completed and awarded)
4	Mr.A.V.Raviprakash Associate Professor Dept of Mechanical Engineering PEC,Pondicherry	Stress analysis in Thin cylinders(PhD completed and awarded)
5.	Mr.K.Ashok Senior Lecturer Dept of Mechanical Engineering	Alternate fuels for IC Engines (PhD Completed and awarded)

	PEC,Pondicherry	
6	Mr.A.Kalaiselvane Assistant Professor Dept of Mechanical Engineering PEC,Pondicherry	Super charging/turbo charging in IC Engines(PhD Completed and awarded)
7	Mr.L.Ramachandran Assistant Professor Dept of Mechanical Engineering RGCET,Pondicherry	Lean Manufacturing concepts for small and medium scale industries(PhD Completed and awarded)
8	Mr.A.Sivakumar Assistant Professor Dept of Mechanical Engineering CCET,Pondicherry	Heat transfer study in micro channels (PhD Completed and awarded)
9	Mr.K..Anandavelu Assistant Professor Dept of Mechanical Engineering APEC,Melmaruvathur	Biodiesel for IC Engines(PhD completed and awarded)
10	Mr.G.Perumal Assistant Professor Dept of Mechanical Engineering VRSCET,Arasur	Modeling and optimization studies in Bio-composites (PhD Completed and awarded)
11	Mr.S.Gurulingam Assistant Professor Dept of Mechanical Engineering SLVEC,Kanchipuram	IC Engine – Super and Turbo charging (PhD Completed and awarded)
12	Ms.K.Hemalatha Asso.Professor Dept of Mechanical Engineering SMVEC,Pondicherry	Milling Optimization / Co-supervisor (PhD Completed and awarded)
13	Mr.V.Nadanakumar Assistant Professor Dept of Mechanical Engineering APEC,Melmaruvathur	Alternate fuels (PhD Completed and awarded)
14	Mr.S.Karthikeyan Assistant Professor Dept of Mechanical Engineering KCET,Cuddalore	Solar Desalination (PhD Completed and awarded)
15	Mr.M.S.Kumaravel Assistant Professor Dept of Mechanical Engineering SKCET,Pondicherry	Utilization of waste materials (PhD Completed and awarded)
16.	Mr.P.B.Sakthivel Dean, Agni College of Technology, Chennai	Mechanical properties of Building materials / Co-Supervisor (PhD Completed and awarded)
17	Mr.R.Ravisankar Assistant Professor	Application of Nano-fluids in Radiators / Co-Supervisor

	Dept of Mechanical Engineering VRSCET, Villupuram	(PhD Completed and awarded)
18	Mr.J.Kuberan Faculty in Mechanical Engineering SKPEC, Thiruvannamalai	Alternate Fuels(PhD Completed and awarded)
19	Mr.G.Anand Full time PhD Scholar	Hybrid Polymer composite materials (PhD completed and awarded)
20	Mr.Peter Pushpanathan Faculty in Mechanical Engineering Christ College of Engg&Tech	Newer Composite Material (PhD completed and awarded)
21.	Mr.Nalla Banu Theja Full Time PhD Scholar	Alternate Fuels(PhD completed and awarded)
22	Mr.Sivabalan Full Time PhD Scholar	Ocean and Tidal energy
23	Mr.B.Parisuthu Full Time PhD Scholar	Bio composites

T. PHD DOCTORAL COMMITTEE MEMBER DETAILS: ACTING /ACTED AS DOCTORAL COMMITTEE MEMBER AS PER THE FOLLOWING

Sl.No	Name of the Candidate	Guide and University	Area of Research
1	Mr.R.Karthikeyan	Dr.N.Nallusamy, Anna University Chennai	Alternate fuels In IC Engines
2	Mr.P.Balasubramanian	Dr.T.Senthilvelan, Pondicherry University	Composite and ECM
3	Mr.A.Murugan	Dr.T.Senthilvelan, Pondicherry University	Composite Materials
4	Mr.Gopalakannan	Dr.T.Senthilvelan, Pondicherry University	EDM of Light alloys
5	Mr.S.Arockiadoss	Dr.K.Palaniradja Pondicherry University	Composite materials and End milling
6	Mr.R.Manimaran	Dr.K.Palaniradja Pondicherry University	Heat Pipe and Nanofluids
7	Mr.P.Karthikeyan	Dr.K.Mahadevan Pondicherry University	Machining of composites
8	Mr.S.Rajasekaran	Dr.W.Christ Raj Anna University of Technology, Trichy	Heat Transfer study
9	Ms.S.Dhanalakshmi	Dr.N.Mohanasundararaju Anna University of Technology, Coimbatore	Heat treatment study
10	Mr.M.S.Senthil Kumar	Dr.N.Mohanasundararaju Anna University of Technology, Coimbatore	Machining of Composite materials

11	Mr.R.Muraliraja	Dr.A.V.Raviprakash/ Dr.R.Elanzehian Pondicherry University	Electroless coating
12	Mr.Mr.A.Perungosh	Dr.L.R.Ganapathy Subramanian SRM University	Phase change materials
13	Mr.V.Mathanraj	Dr.L.R.Ganapathy Subramanian SRM University	Alternate fuels
14	Mr.T.Coumaressin	Dr.K.Palaniradja Pondicherry University	Eco-friendly Solar Refrigerants
15	Mr.Muthukumaran	Dr.V.S.K.Venkatachalapathy Pondicherry University	Lean Manufacturing
16	Mr.K.Senthilvel	Dr.B.Prabhu Pondicherry University	Nano Materials
17	Mr.P.M.Ramalingam	Dr.G.K.Vijayaraghavan Periyar Maniyammai University	Design
18	Mr.SathyaPrathab	Dr.V.S.K.Venkatachalapthy Pondicherry University	Composite Materials
19	Mr.D.TamilSelvan	Dr.M.Kannan Anna University	Bio-fuels
20	Mr.N.Balasubramanian	Dr.K.Palaniradja Pondicherry University	Nanomaterials
21	Mr.K.Rajesh	Dr.P.K.Devan Anna University	IC Engines
22	Mr.R.Ravivarman	Dr.K.Palaniradja Pondicherry University	Nanomaterials
23	Mr.N.Aravindhan	Dr.P.K.Devan Anna University	Wind Energy
24	Mr.K.Viswanath	Dr.K.Anandavelu Anna University	Alternate fuels
25	Mr.G.Venkatesh	Dr.S.Rajkumar Anna University	IC Engines
26	Mr.P.Sethunathan	Dr.K.K.Ramasami Anna University	Winglets
27	Mr.P.Mohanaraman	Dr.T.Senthilvelan Pondicherry University	Composite materials
28	Ms.YamunaDevi	Dr.K.Palaniradja Pondicherry University	Nano Composites
29	Mr.R.Ayyasamy	Dr.S.Dhanushkodi PRIST University	Solar Drying
30	Mr.Harikrishnan	Dr.S.Dhanushkodi PRIST University	Solar Desalination
31	Mr.Vikash Kumar	Dr.S.Dhanushkodi	Solar PV cells

	Shukala	PRIST University	
32	Mr.N.Sithivinayagam	Dr.K.Anandavelu Anna University	Alternate fuels
33	Mr.C.Manikandan	Dr.N.Senthilkumar Anna University	Composite materials
34	Mr.S,Vinodhraj	Dr.R.Arularasan Anna University	IC Engines
35	Mr.K.Ramadoss	Dr.R.Elansezhian Pondicherry University	MQL techniques
36	Mr.T.Duraiaraj	Dr.S.Dhanushkodi PRIST University	Solar Energy
37	Mr.P.Natarajan	Dr.A.V.Raviprakash Pondicherry University	Solar PV cells materials
38	Mr.V.M.Dhanasekar	Dr.M.AnanthKumar Anna University	Surface Engineering and Materials
39	Mr.P.Sathyaprakash	Dr.A.Kalaiselvan Pondicherry University	Ejector
40	Mr.R.Ravikumar	Dr.VSK.Venkatacalapathy Pondicherry University	Composite materials
41	Mr.A.Jayapragash	Dr.G. Sozhamannan Pondicherry University	Composite materials
42	Mr.J.Rajasekar	Dr.R.Elansezhian Pondicherry University	MQL techniques
43	Mr.M.V.Duraiarasan	Dr.M.Mala Anna University	IC Engines
44	Mr.D.Boopathi	Dr.K.Velmurugan Pondicherry University	Composite materials
45	Mr.R.Hemanth Kumar	Dr.VSK.Venkatacalapathy Pondicherry University	Composite materials
46	Mr.Pachakhan Mayana	Dr.A.V.Raviprakash Pondicherry University	Composite Materials
47	Mr.Ananth Kumar	Dr.K.Palaniradja Pondicherry University	Refrigeration
48	Mr.S.Sugumar	Dr.V.Thanigaivelaan SRM University	Hybrid metalmatrix

T. PHD EXAMINERS ASSIGNMENT: FOLLOWING ARE THE DETAILS OF ACTED AS PHD EXAMINER/ADJUDICATOR

Sl.No	Name of the Research Scholar	Guide and University	Area of the Research and year
1	Mr.A.Pasupathy	Dr.R.Velraj, Anna University, Chennai	Solar Energy and Phase Change

			Material – 2007
2	Mr.K.SureshKumar	Dr.R.Velraj, Anna University, Chennai	Application of Biogas and Biodiesel in IC Engines -2008
3	Mr.K.Mani	Dr.V. Chelladurai Anna University, Chennai	Environmentally Friendly Refrigerants in VCRS- 2008
4	Mr.R.Arularasan	Dr.R.Velraj, Anna University,Chennai	Fluid flow and Heat transfer study in Parallel plate Heat sink -2008
5	Mr.T.Sekar	Dr.R.Marappan Anna University, Chennai	Electrochemical Machining- 2009
6	Mr.J.Krishnakumar	Dr.V.S.K.Venkatachalapathy Vinayaka Missions University, Salem	Alternate Fuels in IC Engines- 2010
7	Mr.P.K.Devan	Dr.N.V.Mahalakshmi Anna University,Chennai	Bio-fuels in a DI Diesel Engine - 2010
8	Mr.A.Sivasamy	Dr.V.Chelladurai Anna University Chennai	Fluid flow and Heat transfer study of Slot Jet Impingement flows-2010
9	Mr.M.Arockia Jaswin	Dr.D.Mohanlal Anna University Chennai	Cryogenic Treatment for Valve Steels - 2010
10	Mr.R.Narayanan	Dr.N.Murugan Anna University Chennai	Distortion studies in Welding-2011
11	Mr.R.Senthil	Dr.N.KrishnaMohan Annamalai University Chidambaram	Centrifugal compressor- 2011
12	Mr.V.Muthukumaran	Dr.V. Chelladurai Anna University Chennai	Ion Implantation and QPQ processes-2011
13	Mr.R.Prabhu	Dr.V.S.K.Venkatachalapathy SCSVMV University, Kanchipuram	Hot extrusion of Aluminium alloy- 2011
14	Mr.K.Velmurugan	Dr.V.S.K.Venkatachalapathy SCSVMV University, Kanchipuram	Nanoparticles for Ferrofluid-2011

15	Mr.Lingaraju Dumpala	Dr.Pramila Devi Dr Koona Ramji Andhra University Visakhapatnam	Nanocomposites -2011
16	Mr.C.Sundarraaj	Dr.S.Arul Dr.MGR University,Chennai	Alternative fuels 2011
17	Mr.P.S.Sivasakthivel	Dr.V.Velmurugan Anna University of Technology,Coimbatore	End milling 2011
18	Mr.K.Sampathkumar	Dr.P.Senthilkumar Anna University of Technology,Coimbatore	Solar still 2011
19	Mr.H.Ganesan	Dr.G.MohanKumar, Anna University of Technology, Coimbatore	Evolutionary Algorithms 2012
20	Mr.RajKumar	Dr.SenthilKumar Anna University ,Chennai	IC engines 2012
21	Mr.D.Tamilvendhan	Dr.V.Ilangovan SCSVMV University, Kanchipuram	Alternate Fuels 2012
22	Mrs.V.Vasanthi Pillay	Dr.Vijayalakshmi Bharathidasan University Trichy	Gas Sensors 2012
23	Mr.R.Prakash	Dr.N.V.Mahalakshmi Anna University, Chennai	Annular Diffuser 2013
24	Mr.I.Dinaharan	Dr.N.Murugan Anna University,Chennai	Friction stir Welding 2013
25	Mr.R.Sudhakaran	Dr.V.Velmurugan Anna University, Chennai	Welding studies 2013
26	Mr.R.Sivakumar	Dr.N.KrishnaMohan Annamalai University Chidambaram	Biomass gasifier 2013
27	Ms.Senthamilselvi	Dr.Ravichandran Bharathidasan University Trichy	PV cell materials 2013
28	Mr.Suresh	Dr.Durgaprasad Sathyabama University	Alternate Fuels 2013
29	Mr.Esakkimuthu	Dr.Velraju Anna University	Solar Air dryer 2013
30	Mr.A.A.Arivalagar	Dr.S.Arul Dr.MGR University, Chennai	Alternative fuels 2013
31	Mr.T.SunilKumar	Dr.M.M.M.Sarcar Dr.Sundara Siva Rao Andhra University Visakhapatnam	FRC Beams and Vibration Analysis 2014

32	Mr.B.S.Ramkrishna	Dr.B.B.Ahuja Pune University,Pune	Friction Coupling Element 2014
33	Mr.A.Ramanan	Dr.P.SenthilKumar Sathyabama University	Mixed Refrigerants 2014
34	Mr.P.Prakash	Dr.Sheeba NIT,Trichy	Hydrogen Production 2014
35	Mr.M.Chandran	Dr.P.SenthilKumar Sathyabama University	Cryoprobe and cryospray 2015
36	Mr.S.Prabakaran	Dr.S.Ramachandran Sathyabama University	Design analysis of Gear Drives 2015
37	Mr.S.Padmanabhan	Dr.M.Chandrasekaran Sathyabama University	Optimization of Gear Box 2015
38	Mr.Nidish Mathew Nidiry	Dr.Saravanan Karpagam University	Flexible Manufacturing System 2015
39	Mr.P.Ganesan	Dr.S.RajaKarunakaran Kalasalingam University	Energy conservation 2015
40	Mr.V.Santhanam	Dr.M.Chandrasekaran Sathyabama University	Hybrid Composites 2015
41	Mr.P.Mohan Ram	Dr.V.Shanmugam Anna University,Chennai	Solid Desiccants 2015
42	Mr.P.Venu	Dr.Jeju M Issac Karpagam University	QFD implementation 2015
43	Mr.Sajeev John	Dr. Jeju M Issac Karpagam University	Novel Coagulant 2015
44	Mr.Nadukuru Chandra Shekhar	Dr.K.Venkata Subbiah Andhra University	Service Quality of Engineering Colleges,2015
45	Mr.R.Jothimurugan	Dr.Amirthgadeswaran Anna University,Chennai	EDM 2015
46	Mr.G.Sivakumar	Dr.A.SenthilKumar VelTech University	IC Engines 2015
47	Mr.G.Elumalai	Dr.G.B.Bhaskar, Sathyabama University	Intelligent Transport System 2016
48	Mr.V.VedhagiriEswaran	Dr.G.Ramados,Anna University,Chennai	Nanofluids in HEX, 2016
49	Mr.N.Nandakumar	Dr.M.Arualarasu Anna University,Chennai	Occupational safety, health and environment

			2016
50	Mr.N.Balaji	Dr.Suresh Mohan Kumar Sathyabama University	Eco-friendly and Energy Conservative AC Systems 2016
51	Mr.ArulRaj	Dr.S.Ramachandran Sathyabama University	Plasma Spray Coatings 2016
52	Mr.V.BoopathiRaja	Dr.V.Shanmugam Anna University,Chennai	VAAC System using Solar Energy 2016
53	Mr.Mahendran	Dr.A.SenthilKumar Anna University , Chennai	Lean Manufacturing 2017
54	Mr.Stephan Bernard	Dr.L.S.Jayakumari Anna University,Chennai	Polymer Composite2017
55	Mr.G.Vairamuthu	Dr.S.Sundarapandian Anna University,Chennai	Biodiesel 2016
56	Mr.R.Srinivasan	Dr.A.Ramesh Anna University, Chennai	Friction Stir Welding 2017
57	Mr.S.Prakasam	Dr.P.Thangavel Anna University, Chennai	Sheet Metal 2017
58	Mr.R.Sivakumar	Dr.V.SivaRamakrishnan Anna University, Chennai	Solar Water Heater 2016
59	Mr.P.R.Kannan	Dr.E.Palanisamy Anna University, Chennai	ECM Studies 2017
60	Mr.D.Elayaraja	Dr.S.Ramabalan Anna University, Chennai	Mobile Robots 2017
61	Mr.K.Gunasekaran	Dr.V.Shanmugam Anna University, Chennai	Solar Dryer 2016
62	M.Shunmugasundaram	Dr.M.Anbumalar Anna University, Chennai	Cellular Manufacturing 2017
63	Mr.I.Vijay Arasu	Dr.K.Chokkalingam Anna University, Chennai	Selective laser sintering 2018
64	Mr.Prabhu	Dr.M.Shanmugasundaram Karpagam University, coimbatore	Group Technology 2017
65	Mr.V.Sivakumar	Dr.E.Ganapathy Sundaram Anna University,Chennai	Solar Desalination 2017
66	Ms.S.Janaki	Dr.R.Jayachitra Anna University, Chennai	Pollution Control 2018
67	Mr.M.Piramanandhan	Dr.N.Mohana Sundararaju Dr.N.Venkatesan Anna University,Chennai	Biodiesel 2017
68	Mr.M.Rajasekaran	Dr.V.Hariram	Multi material

		Dr.M.Subramanian Hindustan University, Chennai	body 2017
69	Mr.M.Senthilkumar	Dr.S.Ragunathan Anna University, Chennai	Surface Treatment 2017
70.	Mr.S.Karthick	Dr.A.Naveen Sait Anna University, Chennai	Supply Chain Management 2017
71	Mr.M.Mahadeva Swamy	Dr.S.Muthukumaran NIT, Trichy	Friction stir welding 2017
72	Mr.G.Kathiresan	Dr.S.Ragunathan Anna University, Chennai	Green SCM 2017
73	Mr.K.Vignesh	Dr.U.Natarajan Anna University, Chennai	Polymer Composites 2017
74	Mr.V.Chokkalingam	Dr.K.Murugu Mohan Kumar Anna University, Chennai	Biomass Gasifiers 2017
75	Mr.S.SenthilRaja	Dr.KCK. Vijayakumar Anna University, Chennai	Nanofluids 2017
76	Mr.N.PannerSelvam	Dr.A.Murugesan Anna University, Chennai	Alternate Fuels 2018
77	Mr.M.Ravi	Dr.KCK. Vijayakumar Anna University, Chennai	Dual Fuel
78	Mr.K.Kalidass	Dr.K.Sundararaj Anna University, Chennai	Supplier Selection
79	Mr.V.Sivaramkumar	Dr.M.R.Thanasekar Anna University, Chennai	Vehicle Routing
80	Mr.V.S.Kandavel	Dr.G.MohanKumar Anna University, Chennai	Nano fiber composites 2018
81	Mr.V.K.RameshKumar	Dr.Edison VIT University, Vellore	Solar Desalination 2018
82	Mr.M.Bharathiraja	Dr.R.Venkatachalam Anna University, Chennai	Fumigation studies 2018
83	Mr.R.Gopinathan	Dr.P.Karthikeyan Anna University, Chennai	Two Phase materials 2018
84	Mr.R.Dharmalingam	Dr.K.K.SivagnanaPrabhu Anna University, Chennai	Nanofluids 2018
85	Mr.S.Saravanakumar Chowdry	Dr.C.Sundar Raj Anna University, Chennai	IC Engines 2018
86	Mr.R.Mayandy	Dr.M.Anbumalar Anna University, Chennai	Cellular Manufacturing 2018
87	Mr.R.Gunasekar	Dr.V.Mohanraj Anna University, Chennai	Quality management
88	Mr.R.Ganesh	Dr.S.Jaisankar	Biomass gasifier

		Anna University, Chennai	2019
89	Mr.K.Padmanabhan Panchu	Dr.M.Rajmohan Anna University, Chennai	Multi Objective Optimization 2019
90	Mr.A.KrishnaRaju	Dr.H.Abdul Zubar Anna University, Chennai	Reconfigurable Mechanism
91	Mr.R.Gnanasekaran	Dr.Bensam Raj Anna University, Chennai	Composite materials 2018
92	Mr.G.Venkatesan	Dr.R.Sivasubramanian Anna University, Chennai	Selective assembly 2018
93	Mr.K.Poyyathappan	Dr.G.B.Bhaskar Anna University, Chennai	Hybrid Composites 2018
94	Mr.R.Jayaraj	Dr.P.SeeniKannan Anna University, Chennai	Alternate fuels
95	Mr.A.Johnson Santhosh	Dr.A.R.Lakshmanan Anna University, Chennai	Rejection Rate 2019
96	Mr.B.Raja Chinna Karuppanan	Dr.M.Saravanan Anna University, Chennai	Tool path Optimization 2019
97	Mr.R.George Sahaya Nixon	Dr.B.R.Mohanthi Sathyabama University, Chennai	Friction Surfacing of Dissimilar materials 2018
98	Mr.P.Balu	Dr.M.Kannan Anna University, Chennai	Surface ignition 2019
99	Mr.V.Senthil Murugan	Dr.R.Venkatachalam, Anna University, Chennai	Biodiesel 2019
100	Mr.Raju Chitla	Dr.K.Venkatasubbaiah Andhra University, Vizag	Hard turning
101	Mr.R.Sankar Ganesh	Dr.B.Ganesh Babu Anna University, Chennai	Alternate Fuels
102	Mr.K.Thirumalai Kannan	Dr.S.Ramesh Babu Anna University, Chennai	Bio-based Lubricant
103	Mr.B.Selvakumar	Dr,V,Prabhu Raja Anna University, Chennai	Heat Transfer
104	Mr.R.Manivannan	Dr.R.Mohan Anna University, Chennai	Sandwich Panel
105	Mr.K.S.Sridhar Raja	Dr.V.K.Bupesh Raja Sathyabama University, Chennai	Corrosion behavior
106	Ms.M.Sangeetha	Dr.S.Prakash Sathyabama University, Chennai	Metal matrix composites
107	Mr.A.RameshKumar	Dr.KCK. Vijayakumar Anna University, Chennai	Heat Transfer in PVC 2019

108	Mr.T.Manoharan	Dr.D.Lakshmanan Anna University, Chennai	Foundry sand
109	Mr.J.Godwin John	Dr.V.Hariram Hindustan University, Chennai	Alternate fuels
110	Mr.D.Satish Kumar	Dr.M.Rajmohan Anna University, Chennai	Composite materials
111	Ms.T,Radhika	Dr,R,Venkatesan Anna University, Chennai	Metal forming
112	Mr.Sakthi Vadivel	Dr.P.Govindasamy ,Anna University, Chennai	Hybrid Composites
113	Ms.S.Geetha	Dr.U.Natarajan Anna University, Chennai	Robotics
114	Ms.G.Suganya	Dr.B.R.Ramesh Babu St.Peters University,Chennai	Solar water heater
115	Mr.V.Arunachalam	Dr.A.Gnanavelbabu Anna University, Chennai	Composites
116	Mr.R.Srinivasan	Dr.H.K.Shivanand Bangalore University	Nano composites
117	Mr.Y.Suresh Babu	Dr.P.Ashoka Vardhanan Anna University	IC Engines
118	Mr.V.Senthil Kumar	Dr.G.Jayaprakash Anna University	Laser Cutting
119	Mr. P.Saravanan	Dr,D.Mala Anna University	Alternate fuels
120	Mr.R.Clinktan	Dr.V.Senthil Anna University	Nanocomposites
121	Mr.N.SathishKumar	Dr.P.Govindasamy Anna University	IC Engines
122	Mr.M.Sridharan	Dr.G.Jayaprakash Anna University	Solar PV/TWC
123	Mr.S.K.Narendranathan	Dr.R.Sudhagar /Dr.R.Prakash Anna University	Alternate fuels

U. DETAILS OF OTHER ACADEMIC CONTRIBUTIONS, EXTENSION AND OTHER ACTIVITIES AND SELF-APPRAISAL REPORT

For the past three decades (33 years), I have been contributing steadily and considerably to the society in general and the technical education in particular, in almost all spheres of activities. I present below the details of my contribution to academic development activities (Curricular, Co-Curricular and Extracurricular) - to the college and department in which I have served and in which I am serving now.

- In Adhiparasakthi Engineering College, Melmaruvathur, from 1987 to 1996, I have served as a sincere and dedicated teacher. I have made significant contribution to the development of the department and college in various dimensions.
- In V.R.S College of Engineering and Technology, Arasur, I have played a vital role for the establishment of the mechanical engineering department. From 1996 to 1999, I have organized number of curricular, co curricular and extra curricular activities.
- In Pondicherry Engineering College, Pondicherry, B. Tech Lateral Entry Admission Committee Member during the academic years 2000-2001, 2001-2002, 2002-2003, 2003-2004 - Coordinated with the work involved in screening of application, verification of application, organization of entrance test, merit list preparation, admission under B. Tech lateral entry scheme.
- M.Tech Energy Technology and PDM Admission Committee Member during the academic years 2000-2001, 2004-2005 and 2007-2008- Coordinated with the work involved in screening of application, verification of application, organization of entrance test, merit list preparation, admission under M. Tech PG programme.
- M.B.A Admission Committee Member during the academic years 2008-2009, and 2009-2010- Coordinated with the work involved in screening of application, verification of application, organization of entrance test, merit list preparation, admission under M.B.A. PG programme.
- Coordinator, CENTAC, Government of Puducherry during the academic year 2010-2011 and 2011-12 -Coordinated with the work involved in, Printing of applications/ information bulletin, online and off-line scrutiny /screening of application, verification of application, merit list preparation, seat matrix preparation organization of counseling, admission allotment, website management, overall admission arrangement for the admission of all Professional courses.
- NBA coordinator for the preparation of accreditation activities of all the eight departments (2012-13)
- Coordinator for the NBA activities and UGC Autonomous status /Permanent affiliation activities of the college for the year 2013-14, 14-15
- Convenor of Auto section for the year 2013-14,14-15,15-16,16-17 managing all the transport activities and auto section of the college

- Convenor, Syllabus Revision Committee for UG and PG as per AICTE model curriculum
- One credit course in-charge, Industrial visit and educational tour in charge, Faculty advisor and Class advisor for both UG and PG on many occasions
- Anti Ragging Committee Member for the academic year 2013-14,15-16
- Staff Disciplinary Action Committee member for the academic year 2016-17
- Library Committee Member for the academic year 2005-2006 – coordinated with the work involved in the purchase of books, journals and establishment of digital library.
- Convener Time table Committee for the academic year 2008-2009, 2012–13 and 2013-14 coordinated with the work involved in the preparation of time table for 13 departments and all UG /PG programmes, class room arrangement.
- Convener PEC students' council for the academic year 2009-2010 – coordinated with the work involved in the organization of PECOFES 2009 (All India level inter collegiate cultural event), all co-curricular /extra-curricular/sports activities, college day function and sports day programme.
- Coordinator, PEC Graduation Day Programme 2011- Successfully organized the convocation programme.
- INDEST consortium users group committee member for the academic year 2003-2004 – actively assisted in the organization of INDEST programme to faculty and library staff.
- Renewable Energy Club coordinator for the academic year 2006-2007- REC is an MNES, New Delhi and REAP, Pondicherry sponsored organization being established in the year 2006. Organized Invited lectures, field visits, Renewable energy day essay competitions to students, Bioplantation programme and models/exhibits preparation
- AICTE/DST/and other agencies sponsored projects/grants review committee member- coordinated the purchase activities and report preparation work.
- Assisted with Principal/Chairman, CBCS in the preparation of college information brochure and handout of all departments

- Stock Verification Committee coordinator- Hostel (2002-2003), Library (2003-2004), Civil Engg Dept (2004-2005), EEE dept (2005-2006) coordinated with the physical verification of stocks and presented the reports to the principal.
- Presiding Officer of JET from the year 2000 to 2006 and smoothly conducted the entrance exams at various centers of Pondicherry, Mahe and Yanam.
- In-charge of Thermal engineering lab during the academic year 2000-2001- coordinated the purchase and erection/ commissioning activities of some equipment.
- In-charge of Fluid machinery lab during the academic years 2001-2002,2002-2003,2003-2004,2007-2008,2008-2009,2009-2010, 2010-2011 2011-12, 2017-18 and 2018-19 preparation of lab manuals, added a new parallel-series centrifugal experimental setup and given a facelift to the lab.
- In-charge of Energy engineering lab during the academic years 2004-2005, 2005-2006, 2006-2007 – preparation of lab manuals, developing the lab to meet the latest requirements by MODROBS scheme
- In-charge of Biomass Gasifier Power Plant and Energy park- running the plant smoothly
- Actively assisted in the preparation of accreditation report (part I and part II), revision of UG and PG syllabus, preparation of AICTE compliance report for the existing courses and new courses
- Assisted with Principal/HOD in the preparation of PG programme development proposal and obtained a total grant-in-aid of Rs56 lakhs for five-year period from AICTE.
- Carrying out technical consultancy services and sponsored projects to the nearby industries/organizations and agencies through the college.
- Contributed to the technical expertise and involved in technical arrangement of student council activities, endowment lecture and accompanying the student's industrial visits.
- Coordinator of department purchase and report preparation committee during the academic years 2003-2004, 2004-2005,2005-2006- actively assisted HOD in the preparation of annual budget estimate, consolidation of purchase activities of all mechanical engineering labs and workshops, audit objection report preparation and annual report preparation of the department.

- PG project coordinator and staff advisor – PG and UG project evaluation, PG programme seminar evaluation and coordination of PG programme activities
- Entrance examination question paper setting expert committee member of M. Tech (ET), B. Tech (lateral entry) programme, M.B.A. and PhD in many occasions
- Sincerely assisting Principal/HOD/Chief superintendent in the smooth conduct of University / GATE and other board examinations
- Many of the UG and PG Projects guided by me have been accepted for publication in journals and presentation in National/International Conferences.
- Many of the UG/PG projects guided by me are industry-sponsored projects.
- Guided More than Fifty projects for UG students
- Nearly thirty major and mini projects guided successfully for the PG students in the past Eight years.
- Out of the above projects, many projects have been awarded with “S” and “A” grade and best project award.
- As the coordinator of the PG projects/seminar, I always encourage the students to go for live industrial problems, and help them to get such projects.
- Under the auspicious of Renewable Energy Club organized Invited lectures, field visits, Renewable energy day essay competitions to students.
 - 1) Role of Renewable Energy in today's context by Dr.R. Setuhumathavan
 - 2) Challenges of solar Pond Technology by Dr.C.L. Gupta
 - 3) New and Renewable Energy –Present scenario and an overview by Dr.V.S.K. Venkatachalapathy
- Executive committee Member-Students technical symposium for mechanical engineering students held in 2000 and 2004.
- Editorial board staff advisor of Students magazine – MECHANUS 2007

- Technical committee member (Constituted by the Home department) in the purchase of a hydraulic platform machine to fire service department, Government of Puducherry
- Expert committee member (labour and industries department) in the selection of competent persons to the office of chief inspector of factories, government of Puducherry
- Technical committee member (Constituted by DRDA) in the Performance testing of New and Renewable energy equipments Purchased/Promoted by IREP/REAP.
- Technical Committee member in the Industrial safety norms advisory/Inspection committee of Government of Puducherry
- Mechanical Engineering Students council in- charge during 2010-2011 organized many technical events
- Mechanical Engineering B.Tech/M.Tech Student class advisor/counselor on many occasions and made a remarkable progress in the results, placement, training and quality works among the students.
- Technical Committee Member of PRTC in the Purchase and Inspection of Volvo buses purchased under JnNURM scheme
- Technical committee member of Government of Puducherry in the inspection of Power Generation Platform
- Expert committee member of Government of Puducherry to review the performance of Karaikal port
- Technical committee member of Government of Puducherry in the inspection of multi-level vehicle parking system under smart city scheme
- Convener, 2018 -19 New Curriculum Development Committee
- Presiding Officer, 2019 General Elections for the Loksabha
- Chairman, Question Paper Scrutiny Board, PEC
- Chairman, Mechanical Engineering Board of Valuation, PEC
- Additional Chief Superintendent for Autonomous Examinations, PEC
- College council member, PEC

- Chairman , department purchase committee, PEC
- Chairman , Board of studies of UG/PG Mechanical Department, PEC
- Member, Academic Council, PEC

V. DETAILS OF MEMBER/EXAMINERSHIP ASSIGNMENTS IN VARIOUS UNIVERSITIES AND BODIES

1. Advisor to Union Public Service Commission, New Delhi and UGC/Observer, NTA National Testing Agency/AICTE expert committee member for selection of Research proposal/Member, Performance Monitoring Committee, Margdarshan Scheme, AICTE/UGC Nominee for Governing Council of Autonomous Colleges
2. Academic and Administrative Auditor of Periyar Maniyammai University, SriKalasalingam University, Kerala Technological University, AMET University and Karnatak University
3. External Member of the IQAC, Kalasalingam University, Srivilliputhur and MVJ College of Engineering, Bengluru and SMVEC Pondicherry
4. Expert Member, Technical Evaluation committee for the Purchase/Maintenance of Mechanical Engineering laboratory equipments of Annamalai University, Chidambaram
5. Governing Council Member /Planning and Monitoring board member of V.R.S.College of Engineering and Technology, Villupuram, Jei Mathaajee College of Engineering, Kanchipuram, Sri Krishna College of Engineering and Technology, Pondicherry , SKP College of Engineering, Thiruvannamalai, Erode Sengunthar Engineering College, Erode , St.Annes College of Engineering and Technology, Panruti, Idhaya College of Engineering for Women, Chinnasalem, Bharathiyar College of Engineering and Technology, Karaikal , Danish Ahmed College of Engineering, Chennai, Selvam College of Technology, Namakkal, CK College of Engineering and Technology, Cuddalore , Krishnasamy College of Engineering and Technology, Cuddalore and St.John's College of Engineering, Chennai

6. Member, Academic Council (both UG and PG) of K.S. Rangasamy college of Technology, Thiruchengode affiliated to Anna University, Coimbatore , Pavaai Engineering College, IFET College of Engineering and Erode Sengunthar Engineering College
7. Member, Board of Studies – EGS Pillay Engineering College, Rajalakshmi Engineering College, Velalar College of Engineering and Technology, SSN College of Engineering, Erode Sengunthar Engineering College, Srimanakula vinayagar Engineering college, Ramakrishnan Engineering College, Special Board of studies of Pondicherry University
8. Research Advisory committee member of SMVEC
9. Moderator and Question paper setter – Tamilnadu Public service commission, Chennai and Institution of Engineers (India) Kolkatta
10. Question paper setter and Member in Question paper passing board committee, PhD examiner and doctoral committee member - Anna University, Chennai, Trichy, Coimbatore and Tirunelveli
11. Question paper setter, Theory and Practical examiner, and Member in Question paper passing board committee and Result passing board committee - Annamalai University, Chidambaram
12. Question paper setter and Member in Question paper passing board committee- Madurai Kamarajar University, Madurai
13. Question paper setter, Theory and Practical examiner, Chief Superintendent, additional Chief Superintendent and Examination Inspection Squad Member – University of Madras, Chennai
14. Member, Board of Studies, PhD entrance examination question setter/moderator, Chairman- Board of Evaluation, Chief examiner, Theory and Practical examiner in Pondicherry University
15. Question paper setter and theory examiner, Pondicherry university community college
16. Question paper setter, theory and practical examiner, PG programme, PEC Pondicherry, Examiner for PGCET-2016 ,2017 and 2019

17. Question paper setter /convener and theory examiner, SASTRA deemed university, Thanjavur and VMKV University, Salem.
18. Question paper setter and theory examiner, Sathiyabama deemed university, Chennai.
19. Question paper setter, Karunaya deemed university, Coimbatore.
20. Question paper setter, Bharath deemed university, Chennai.
21. Question paper setter and theory examiner, Sri Chandrasekharendra saraswathi viswa mahavidyalaya, Kanchipuram
22. Question paper setter and Theory examiner and question paper board convenor -Salem VMKV University, Thiyagarajar Engineering College, Madurai, Government College of technology, Sri Ramakrishna Engineering College, Coimbatore, Karpagam College of Engineering, Sethu Institute of Technology, Mahendra Engineering College, Dr.Pollachi Mahalingam College of Engineering and Technology, Kongu Engineering College and CIT, Coimbatore, Andhra Pradesh State Diploma/UG/PG Engineering Entrance Exam

W. EXPERT COMMITTEE / PEER TEAM MEMBER IN UGC/NAAC/AICTE/NBA/GOVERNMENT OF PUDUCHERRY/Pondicherry and ANNA University

University Grants commission (UGC)- Expert Committee member Visit details

1. Visited Graphic Era Institute of Technology, Dehradun, Uttaranchal for conferment of deemed to be University Status between 8th and 9th February 2008.
2. Visited Nitte Group of Institutions, Mangalore, Karnataka to bring those institutions under the ambit of Nitte deemed to be University between 20th and 22nd January 2009.
3. Visited Christ group of institutions, Bangalore, Karnataka to bring the Propsoed College of engineering under the ambit of Christ deemed to be University between 13th and 14th March 2009.

4. Visited Karpagam Group of Institutions, Coimbatore, Tamilnadu to bring the proposed faculty of engineering under the ambit of Karpagam deemed to be University between 21st and 22nd March 2009.
5. Visited MITS group of Institutions, Lakshmangarh, Rajasthan a deemed to be University to review the functioning of the same between 06th and 08th August 2009
6. Visited SOA group of institutions, Bhubaneswar, Orissa a deemed to be University to review the functioning of the same between 10th and 12th August 2009
7. Visited KL group of institutions, Vijayawada, Andhra Pradesh a deemed to be University to review the functioning of the same between 5th and 7th September 2009
8. Visited Lingayas group of institutions, Faridabad, Haryana a deemed to be University to review the functioning of the same between 14th and 15th September 2009

All India Council for Technical Education (AICTE)- Expert Committee Member Visit details

1. Visited Ashok Institute of Technology, Hyderabad, Andhrapradesh for the on the spot inspection / verification of the facilities of the college on 28th July 2009
2. Visited TRR Engineering College for women, Hyderabad, Andhrapradesh for the on the spot inspection / verification of the facilities of the college on 28th July 2009
3. Visited Princeton Institute of Engineering and Technology, Hyderabad, Andhrapradesh for the on the spot inspection / verification of the facilities of the college on 28th July 2009
4. Visited Loyola ICAM College of Engineering and Technology, Chennai, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 21st June 2010.

5. Visited Annapoorna Engineering College, Salem, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 22nd June 2010.
6. Visited SSM College of Technology, Komarapalyam, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 23rd June 2010.
7. Visited Pavai School of Management, Namakkal, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 23rd June 2010.
8. Visited Pavai Group of Institutions (Integrated Campus), Namakkal, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 23rd June 2010.
9. Visited AJK Institute of Management, Coimbatore, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 12th July 2010.
10. Visited Amudhasurabhi College of Engineering and Technology, Mettur, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 13th July 2010.
11. Visited Sri Krishna Institute of Technology, Chennai, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 12th August 2010.
12. Visited M.V.N. College of Engineering, Palwal, Haryana for the on the spot inspection / verification of the facilities of the college on 28th October 2010.
13. Visited Vaysh College of Engineering, Rohtak, Haryana for the on the spot inspection / verification of the facilities of the college on 29th October 2010.
14. Visited SSM College of Engineering, Kumarapalayam, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 11th March 2013.

15. Visited Odayappa College of Engineering and Technology, Theni, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 12th March 2013.
16. Visited BLDEA Dr. P G Halakatti College of Engineering, Bijapur, Karnataka for the on the spot inspection / verification of the facilities of the college on 20th April 2013.
17. Visited Acharya Polytechnic College, Bangalore, Karnataka for the on the spot inspection / verification of the facilities of the college on 28th May 2014
18. Visited PA Engineering College, Mangalore, Karnataka for the on the spot inspection / verification of the facilities of the college on 29th May 2014
19. Visited Dr. Navalar Nedunchezhiyan College of Engineering, Tholudur, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 5th December 2014
20. Visited Sanskirithi College of Engineering, Puttabarthi, Andhrapradesh for the on the spot inspection / verification of the facilities of the college on 14th March 2015
21. Visited Tech School of Management, Thadipathri, Andhrapradesh for the on the spot inspection / verification of the facilities of the college on 15th March 2015
22. Visited Sree Sitheswarar College of Engineering, Arcot, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 18th March 2015
23. Visited St.John's College of Engineering and Technology , Pennathur, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 19th March 2015
24. Visited Al Habeed College of Engineering and Technology, Hyderabad, Thelangana for the on the spot JNTUH and AICTE Joint Inspection/ verification of the facilities of the college on 22nd July 2015

25. Visited Auroras Institute of Technology and Research, Warangal, Thelangana for the on the spot JNTUH and AICTE Joint Inspection / verification of the facilities of the college on 23rd July 2015
26. Visited Anurag College of Engineering Kodad, Thelangana for the on the spot JNTUH and AICTE Joint Inspection /verification of the facilities of the college on 24th July 2015
27. Member in the AICTE High Power Committee meeting held in SCRO, Hyderabad from 10/08/2015 to 21/08/2015
28. Member in the AICTE Standing Appeal Committee meeting held in SCRO, Hyderabad from 28/08/2015 to 30/08/2015
29. Member in the AICTE Standing Complaint Scrutiny/Appeal Committee meeting held in AICTE New Delhi from 12/10/2015 to 13/10/2015
30. Visited Immanuvel Arasar JJ College of Engineering and Technology, Marthandam, Tamilnadu for the on the spot inspection / verification of the facilities of the college on 10th February 2016

National Assessment and Accreditation Council (NAAC)-Peer team committee member visit details

1. Visited Gandhi Institute of Engineering and Technology, Gunpur, Orissa for Assessment and Accreditation of the College between 21st and 22nd June 2008.
2. Visited Atmiya Institute of Technology and Science, Rajkot, Gujarat for Assessment and Accreditation of the College between 29th and 30th July 2008.
3. Visited Sri Venkateswara College of Engineering, Sriperumbudur, Tamilnadu for Assessment and Accreditation of the College between 4th and 6th August 2008.
4. Visited J.I.S College of Engineering, Kalyani, West Bengal for Assessment and Accreditation of the College between 15th and 16th April 2009.

5. Visited Siksha O Anusandhan University, Bhubaneswar, Orissa for Assessment and Accreditation of the deemed university between 18th and 20th April 2009.
6. Visited C.V. Raman College of Engineering, Bhubaneswar, Orissa for Assessment and Accreditation of the College between 28th and 29th April 2009.
7. Visited I.M.S. College of Engineering, Ghaziabad, Uttarpradesh for Assessment and Accreditation of the College between 10th and 12th August 2009. (declined)
8. Visited Velammal College of Engineering, Velammal Nagar, Tamilnadu for Assessment and Accreditation of the College between 12th and 13th September 2009.
9. Visited GMR Institute of Technology, Rajam, Andhrapradesh for Assessment and Accreditation of the College between 5th and 6th March 2010.
10. Visited G. Pullareddy Engineering College, Kurnool, Andhrapradesh for Assessment and Accreditation of the College between 23rd and 25th September 2011.
11. Visited RGM College of Engineering and Technology, Nandyal Andhrapradesh for Assessment and Accreditation of the College between 7th and 9th January 2012.
12. Visited St. Johns College of Engineering and Technology, Yerrakota, Andhrapradesh for Assessment and Accreditation of the College between 19th and 21st July 2012.
13. Visited PES Institute of Technology, Bangalore for Assessment and Accreditation of the College between 8th and 10th October 2012.
14. Visited BMS College of Engineering, Bangalore for Assessment and Accreditation of the College between 19th and 21st October 2012.
15. Visited Shri Ramdeobaba College of Engineering and Management, Nagpur for Assessment and Accreditation of the College between 18th and 29th September 2014.

16. Visited ANITS, Vizag for Assessment and Accreditation of the College between 25th and 27th September 2014.
17. Visited Annamalai University, Chidambaram for Assessment and Accreditation of the State University between 12th and 14th November 2014
18. Visited KITS College of Engineering, Kholapur for Assessment and Accreditation of the College between 21st and 23rd January 2015.
19. Visited Danalakshmi Srinivasan College of Engineering, Perambalur for Assessment and Accreditation of the College between 25th and 27th February 2015.
20. Visited C. Abdul Hakeem College of Engineering and Technology, Mel Vishram for Assessment and Accreditation of the College between 26th and 28th March 2015.
21. Visited IMS College of Engineering, Ghaziabad for Assessment and Accreditation of the College between 17th and 19th April 2015.
22. Visited IASE Deemed to be University, Shardarsahar, Rajasthan for Assessment and Accreditation of the University between 7th and 9th November 2015.
23. Visited Amirtha Sai Institute of Science and Technology, Vijayawada for Assessment and Accreditation of the College between 28th and 30th January 2016.
24. Visited Raghu Engineering College, Visakhapatnam for Assessment and Accreditation of the College between 26th and 28th May 2016.
25. Visited Selvam College of Technology, Namakkal for Assessment and Accreditation of the College between 11th and 13th August 2016 (declined)
26. Visited K. Ramakrishnan College of Technology, Tiruchirapalli for Assessment and Accreditation of the College between 20th and 22nd October 2016
27. Visited Rajarajeswari College of Engineering, Bengaluru for Assessment and Accreditation of the College between 22nd and 24th November 2016
28. Visited NRI Institute of Technology, Vijawada for Assessment and Accreditation of the College between 12th and 14th June 2017

29. Visited Chalapathi Institute of Technology, Guntur for Assessment and Accreditation of the College between 17th and 19th August 2017
30. Visited RMK College of Engineering, Ponneri for Assessment and Accreditation of the College between 28th and 30th August 2017
31. Visited D.Y. PATIL College of Engineering and Technology, Kolhapur for Assessment and Accreditation of the College between 28th and 29th September 2017
32. Visited Mahatma Gandhi Missions Jawaharlal Nehru Engineering College, Aurangabad for Assessment and Accreditation of the College between 2nd and 3rd November 2017
33. Visited Sinhgad Technical Education Society's Rasiklal M. Dhariwal Sinhgad Technical Institutes Campus, Pune for Assessment and Accreditation of the College between 8th and 9th November 2017
34. Visited College of Engineering and Technology, Akola for Assessment and Accreditation of the College between 13th and 14th November 2017
35. Visited Dr.B.R. Ambedkar Institute of Technology, Port Blair for Assessment and Accreditation of the College between 6th and 7th April 2018
36. Visited Avanthi Institute of Engineering and Technology, Vizianagaram for Assessment and Accreditation of the College between 24th and 25th August 2018
37. Visited Coimbatore Institute of Technology, Coimbatore for Assessment and Accreditation of the College between 6th and 7th September 2018
38. Visited Dhamangaon's Education society College of Engineering, Dhamangaon for Assessment and Accreditation of the College between 21st and 22nd September 2018
39. Visited Kakithiya Institute of Technology, Warangal for Assessment and Accreditation of the College between 28th and 29th September 2018
40. Visited Phalton Education Society's College of Engineering, Phalton for Assessment and Accreditation of the College between 5th and 6th October 2018

41. Visited Government College of Engineering, Jalgaon for Assessment and Accreditation of the College between 30th and 31st October 2018

National Board of Accreditation (NBA)-Expert committee member visit details

1. Visited G.H. Patel College of Engineering and Technology, Vallabh Viyanagar, Gujarat for Evaluation and Assessment of U.G. Programme between 14th and 16th March 2008.
2. Visited National Institute of Technology, Surathkal, Karnataka for Evaluation and Assessment of P.G. Programme between 22nd and 24th March 2008.
3. Visited B.V. Bhoomaraddi College of Engineering and Technology, Hubli, Karnataka for Evaluation and Assessment of P.G. Programme between 4th and 6th April 2008.
4. Visited C.V. Raman College of Engineering, Bhubaneswar, Orissa for Evaluation and Assessment of U.G. Programme between 9th and 11th May 2008.
5. Visited Jagannath Institute for Technology and Management, Paralakhemundi, Orissa for Evaluation and Assessment of U.G. Programme between 25th and 27th July 2008.
6. Visited Gogte Institute of Technology, Belgaum, Karnataka for Evaluation and Assessment of U.G. Programme between 29th and 31st August 2008.
7. Visited National Institute of Foundry and Forge Technology, Ranchi, Jharkhand for Evaluation and Assessment of P.G. Programme between 19th and 21st September 2008.
8. Visited A.D. Patel Institute of Technology, New Vallabh Viyanagar, Gujarat for Evaluation and Assessment of U.G. Programme between 24th and 26th October 2008.
9. Visited Oxford College of Engineering, Tiruchirapalli, Tamilnadu for Evaluation and Assessment of U.G. Programme between 6th and 8th March 2009.

10. Visited College of Engineering, Pune, Maharashtra for Evaluation and Assessment of P.G. Programme between 8th and 10th May 2009.
11. Visited C. Abdul Hakeem College of Engineering and Technology, Melvisharam, Tamilnadu for Evaluation and Assessment of U.G. Programme between 19th and 21st December 2012.
12. Visited R.V. College of Engineering, Bangalore, Karnataka for Evaluation and Assessment of U.G. Programme between 25th and 27th January 2013.

Anna University - Expert committee convener/member visit details

1. Visited Nandha College of Technology, Perundurai, Erode, Tamilnadu for Affiliation of PG/ U.G. Programme on 22nd August 2009.
2. Visited JKK Munirajah College of Technology, Gobichettipalayam, Erode, Tamilnadu for Affiliation of PG/ U.G. Programme on 22nd August 2009.
3. Visited Vetri Vinayaka College of Engineering and Technology, Thottiyam, Tamilnadu for Affiliation of PG/ U.G. Programme on 4th January 2013.
4. Visited TRP Engineering College, Trichy, Tamilnadu for Affiliation of PG/ U.G. Programme on 4th January 2013.
5. Visited St. Annes College of Engineering, Panruti, Tamilnadu for Affiliation of PG/ U.G. Programme on 5th January 2013
6. Visited M.R.K. Institute of Technology, Kattumannarkoil, Tamilnadu for Affiliation of PG/ U.G. Programme on 1st April 2014
7. Visited Rover College of Engineering and Technology, Perambalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 3rd April 2014
8. Visited Rover Engineering College, Perambalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 4th April 2014
9. Visited Rover Institute of Management, Perambalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 4th April 2014
10. Visited Shanmuganathan Engineering College, Thirumayam, Tamilnadu for Affiliation of PG/ U.G. Programme on 5th April 2014

11. Visited Srinivasan Engineering College, Perambalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 11th March 2015
12. Visited Sudarshan Engineering College, Pudukottai Tamilnadu for Affiliation of PG/ U.G. Programme on 12th March 2015
13. Visited Mount Zion College of Engineering and Technology Thirumayam, Tamilnadu for Affiliation of PG/ U.G. Programme on 20th March 2015
14. Visited P.R. Engineering College, Vallam, Tamilnadu for Affiliation of PG/ U.G. Programme on 21st March 2015
15. Visited Sir Issac Newton College of Engineering and Technology Papakoil, Tamilnadu for Affiliation of PG/ U.G. Programme on 25th March 2015
16. Visited Saranathan College of Engineering, Trichy, Tamilnadu for Affiliation of PG/ U.G. Programme on 5th March 2016
17. Visited Rover College of Engineering and Technology, Perambalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 8th March 2016
18. Visited Rover Institute of Management, Perambalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 8th March 2016
19. Visited Rover Engineering College, Perambalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 9th March 2016
20. Visited Mahath Amma Institute of Engineering and Technology, Pudulottai, Tamilnadu for Affiliation of PG/ U.G. Programme on 28th February 2017
21. Visited Sudarshan Engineering College, Pudukottai, Tamilnadu for Affiliation of PG/ U.G. Programme on 1st March 2017
22. Visited Sri Bharathi Engineering College for women, Pudukottai, Tamilnadu for Affiliation of PG/ U.G. Programme on 7th March 2017
23. Visited Ariyalur Engineering College, Ariyalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 23rd February 2018
24. Visited Nellaiandavar Engineering College, Ariyalur, Tamilnadu for Affiliation of PG/ U.G. Programme on 23rd February 2018

25. Visited Pavendar Bharathidasan College of Engineering and Technology, Trichy, Tamilnadu for Affiliation of PG/ U.G. Programme on 24th February 2018

Pondicherry University - Expert committee convener/member visit details

1. Visited SriKrishna College of Engineering and Technology, Mannadipet, Pondicherry for Affiliation of U.G. Programme on 17th April 2017
2. Visited Alpha College of Engineering and Technology, Bagur, Pondicherry for Affiliation of U.G. Programme on 17th April 2017
3. Visited Sri Ganesh College of Engineering and Technology, Mullodai, Pondicherry for Affiliation of U.G. Programme on 17th April 2017
4. Visited Christ College of Engineering and Technology, Moolakulam, Pondicherry for Affiliation of U.G/PG. Programme on 13th March 2018
5. Visited RAAK College of Engineering and Technology, Arubarthapuram, Pondicherry for Affiliation of U.G. Programme on 13th March 2018
6. Visited Avvaiyar College of Engineering and Technology, Tirubuvanai, Pondicherry for Affiliation of U.G. Programme on 13th March 2018
7. Visited Manakula Vinayagar Institute of Technology, Madagadipattu, Pondicherry for Affiliation of PG/U.G. Programme on 13th March 2018
8. Visited Sri Venkateswara College of Engineering and Technology, Ariyur, Pondicherry for Affiliation of U.G. Programme on 14th March 2018
9. Visited Sri Manakula Vinayagar Engineering College, Madagadipattu, Pondicherry for Affiliation of PG/U.G. Programme on 14th March 2018
10. Visited Alpha College of Engineering and Technology, Bagur, Pondicherry for Affiliation of U.G. Programme on 14th March 2018
11. Visited Rajivgandhi College of Engineering and Technology, Kirumambakkam, Pondicherry for Affiliation of PG/U.G. Programme on 14th March 2018

12. Visited Acharya College of Engineering and Technology, Villianur, Pondicherry for Affiliation of U.G. Programme on 15th March 2018
13. Visited Christ Institute of Technology, Patthukannu, Pondicherry for Affiliation of PG/U.G. Programme on 15th March 2018
14. Visited Sri Krishna College of Engineering and Technology, Mannadipet, Pondicherry for Affiliation of U.G. Programme on 15th March 2018
15. Visited Bharathiyar College of Engineering and Technology, Karaikal for Affiliation of PG/U.G. Programme on 19th March 2018
16. Visited RVS College of Engineering and Technology, Karaikal for Affiliation of U.G. Programme on 19th March 2018
17. Visited PKIET, Karaikal for Affiliation of U.G. Programme on 19th March 2018

Government of Puducherry - Expert committee convener/member visit details

1. Visited Sri Manakula Vinayagar Engineering College, Madagadipattu, Pondicherry for issuing NOC to introduce/ allow variation in intake in PhD/ PG/U.G. Programme on 10th March 2020

X. FACULTY AND STAFF SELECTION /PROMOTION COMMITTEE MEMBER

Principal/Director, Faculty and staff selection committee member in NIT's, (NIT, Karnataka) State Universities (Anna University, Annamalai University), Deemed universities (Crescent University) and Engineering Colleges

Y. RESOURCE PERSON - EXPERT LECTURE DELIVERED IN THE FOLLOWING INSTITUTES – Faculty development programme, National and International level workshops, Seminars, symposium and conferences, Invited lectures, NBA/NAAC Accreditation awareness programme, Mock Assessment, Academic and Administrative auditing, Autonomy and Extension of Autonomy, 2f

and 12 B, Research funding agencies awareness talk and Guest of Honor/ Chief Guest in some of the events.

1. Adhiparasakthi Engineering College, Melmaruvathur
2. Adhiparasakthi Polytechnic College, Melmaruvathur
3. IFET College of Engineering and Technology, Kengarampalayam
4. Mailam Engineering College, Mailam
5. Velammal College of Engineering, Chennai
6. Sree Andal Alagar College of Engineering, Mamandur
7. Velammal College of Engineering and Technology, Madurai
8. V.R.S. College of Engineering and Technology, Arasur
9. SKP Engineering College, Thiruvannamalai
10. Arunai College of Engineering, Thiruvannamalai
11. Dr.Navalar Nedunsezhiyan College of Engineering, Tholudur
12. SNS College of Technology, Coimbatore
13. Dr.Mahalingam College of Engineering and Technology, Pollachi
14. National Engineering College, Kovilpatti
15. Cape Institute of Technology, Kanniyakumari
16. Erode Sengunthar Engineering College, Erode
17. CK College of Engineering and Technology, Cuddalore
18. Sri Manakula Vinayagar Engineering College, Madagadipat
19. Manakula Vinayagar Institute of Technology, kalitherrathalkuppam
20. Christ College of Engineering and Technology, Pondicherry
21. Achariya College of Engineering and Technology, Villianur
22. Bharathiyar College of Engineering and Technology, Karaikal
23. Pondicherry Engineering College, Pondicherry
24. Kings College of Engineering, Pudukottai
25. Rajiv Gandhi College of Engineering and Technology, Kirumampakkam
26. SSM College of Engineering and Technology, Komarapalayam
27. Karpagam College of Engineering, Coimbatore
28. M.R.K.Institute of Technology, Kattumannarkoil
29. St.Annes College of Engineering and Technology, Panruti

30. PIPMATE Women's Polytechnic College, Pondicherry
31. VELTECH University, Chennai
32. Krishnasamy College of Engineering and Technology, Cuddalore
33. Annai Theresa College of Engineering, Thirunavalur
34. Sree Krishna College of Engineering, Arakkonam
35. Selvam College of Technology, Namakkal
36. Arunai Engineering College, Thiruvannamalai
37. Vellalar College of Engineering and Technology, Erode
38. Jai Shriram Group of Institutions, Thiruppur
39. C.Abdul Hakeem College of Engineering and Technology, Melvisharam
40. Ganadipathy Tulsis Jain Engineering College, Vellore
41. Sri Krishna College of Engineering and Technology, Pondicherry
42. Sri Ganesh College of Engineering and Technology, Pondicherry
43. Excel College of Engineering, Kumarapalayam
44. VimalJothi College of Engineering and Technology, Chemperi, Kannur, Kerala
45. Periyar Maniyammai University, Vallam
46. PRIST University, Pondicherry Campus
47. Kumaraguru College of Technology, Coimbatore
48. Sree Sastha Institute of Engineering and Technology, Chennai
49. Sree Sastha College of Engineering, Chennai
50. Mount Zion College of Engineering and Technology, Thirumayam
51. Sree Venkateswara College of Engineering and Technology, Pondicherry
52. Idhaya College of Engineering for women, Chinnasalem
53. Paavai Engineering College, Rasipuram
54. Anna University – CEG, MIT, ACTECH, SAP – Academic/Mock assessment
55. Annamalai University, Chidambaram
56. Francis Xavier College of Engineering, Tirunelveli
57. SCAD College of Engineering and Technology, Cheranmadevi
58. Sree Sakthi Engineering College, Coimbatore
59. Sasuriya College of Engineering, Tiruppur
60. Sasuriya Engineering Academy, Coimbatore

61. MEASI Institute of Management, Chennai
62. Kalasalingam University, SriVilliputhur
63. Gnanamani College of Technology, Namakkal
64. Sethu Institute of Technology, Kariyapatti, Madurai
65. Dhanalakshmi Srinivasan Engineering College, Perambalur
66. Srinivasan Engineering College, Perambalur
67. Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai
68. Dhanalakshmi Srinivasan College of Engineering, Coimbatore
69. Kongu Vellalar Polytechnic College, Seenapuram, Erode
70. AVC Engineering College, Mayavaram
71. Christ University, Bangalore
72. Vidyasagar College of Arts and Science, Udumalpet
73. MVJ College of Engineering, Bangalore
74. Velammal Institute of Technology, Chennai
75. Vidhaya Vikas College of Engineering and Technology, Thiruchengode
76. Kingston Engineering College, Vellore
77. Agni College of Technology, Chennai
78. Adithya Institute of Technology, Coimbatore
79. Muthiayammal Engineering College, Rasipuram
80. Sree Venkateswara HiTech Engineering College, Gobichettipalayam
81. Parisutham Nadar Institute of Technology and Science, Thanjore
82. Vinayaka Mission Deemed University, Salem
83. Mother Teresa Post Graduate and Research Institute of Health Sciences
84. VSB College of Engineering and Technology, Karur
85. Karnatak University, Dharwad
86. SNS College of Engineering, Coimbatore
87. Alameen Engineering College, Erode
88. DMI College of Engineering, Chennai
89. TJS Engineering College, Chennai
90. Department of Industrial Engineering, CEG, Anna University, Chennai
91. Chenduran College of Engineering and Technology, Pudukottai

92. SSN College of Engineering, Chennai
93. Vivekananda College of Engineering for women, Thiruchengode
94. KPR Institute of Engineering and Technology, Coimbatore
95. KSR Institute of Engineering and Technology, Thiruchengode
96. Danish Ahmed College of Engineering, Chennai
97. Info Institute of Engineering, Coimbatore
98. Department of Automobile Engineering, SRM University, Chennai
99. Christian Polytechnic College, Ottanchatiram
100. Vivekananda College of Technology for women, Thiruchengode
101. Sree Sakthi Institute of Engineering and Technology, Coimbatore
102. CSI College of Engineering, Ooty
103. Sri Shanmuga College of Engineering and Technology, Sankagiri
104. VIT University, Vellore campus– UGC /AICTE Review Mock assessment
105. VIT University, Chennai Campus – UGC/AICTE Review Mock assessment
106. Thiagarajar Polytechnic College, Salem
107. Shri Easwar Engineering College, Kinathukadavu
108. Christian Engineering College, Ottanchatiram
109. Arasu Engineering College, Kumbakonam
110. Tagore Institute of Engineering and Technology, Deviyakurichi
111. Sathyabama University, Chennai
112. Narasus Sarathy Institute of Technology, Salem
113. Hindustan University, Chennai
114. SriManakulaVinayagar Medical College, Pondicherry
115. Velammal Medical College, Madurai
116. Akshaya College of Engineering and Technology, Coimbatore
117. KSR College of Technology, Trichengode
118. Dr.NGP Institute of Technology, Coimbatore
119. RAAK College of Engineering and Technology, Pondicherry
120. Audisankara College of Engineering and Technology, Gudur
121. P.A.C.Ramasamy Raja Polytechnic College, Rajapalayam
122. MVSR Engineering College, Hyderabad

123. AC College of Technology, Anna University, Chennai
124. Nachimuthu Polytechnic College, Pollachi
125. College of Engineering, JNTU, Hyderabad
126. St.Joseph's College of Engineering, Chennai
127. K.Ramakrishnan Engineering College, Trichy
128. K.Ramakrishnan College of Technology, Trichy
129. Surya Group of Institutions, Vikravandi
130. KSR college of Engineering, Thiruchengode
131. Annai Velankanni's College for Women (Arts and Science), Chennai
132. Ramco Institute of Technology, Rajapalayam
133. Nandha College of Engineering, Perundurai
134. Sri Venkateswara College of engineering, Sriperumpudur
135. Jeppiar Engineering College, Chennai

Z. Books authored/Reviewed

1. Engineering Economics and Energy Management - Coauthor
2. Basic Civil and Mechanical Engineering – Coauthor
3. Theory of Machines by S.S.Rattan - Reviewed
4. Design of Machine Elements by V.B.Bhandari - Reviewed
5. Materials Science and Engineering by Smith, Hashemi and Raviprakash-
Reviewed
6. Enhanced heat transfer in serpentine micro channel with Nano fluids - coauthor

AA. PATENT AWARDED AND FILED

Sl.No	Patent details	Patent organization	Year
1	Indian patent for innovative PhD Research work (Evaporation Enhancing) E-2/2287/2018/CHE	IPR Chennai Government of India	2018 Patent filed and it is in process

2	Indian patent for innovative PhD Research work (Electro less Coating) E-1/25626/2019-CHE	IPR Chennai Government of India	2019 Patent filed and it is in process
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DECLARATION

I N. Alagumurthi S/o Mr.M.Natarajan hereby solemnly declares that the statements/information made in this application are true to the best of my knowledge and belief, and that no material information has been concealed or suppressed.

Date: 2/11/2020

Place: PEC, Pondicherry

N.ALAGUMURTHI