

<b>Qualification &amp; Experience</b>	<b>Research</b>	<b>Journals</b>	<b>Subjects Expertise</b>	<b>Projects/Consultancies</b>
<b>Accolades Received</b>	<b>Books/Patents</b>	<b>Others</b>		



Dr.J.Jancirani

Professor

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## Educational Profile

Year	Course	Specilisation	institution
2004	Ph.D	Automobile	MIT Campus, Anna University
1997	M.E.	Computer Aided Design	GCE Salem
1995	B.E.	Mechanical Engineering	IRTT Erode

## Experience

Post Held	Period	Name of the Organisation/Industry	Nature of Duties
Professor	26.11.2014-Till date	Anna University	Teaching
Associate Professor	01.02.2013 - 25.11.2014	MIT Campus, Anna University	Teaching
Assistant Professor	01.02.2010- 31.01.2013	MIT Campus, Anna University	Teaching
Lecturer(Sr.Gr)	01.02.2005 - 31.01.2010	MIT Campus, Anna University	Teaching
Lecturer	30.08.2004 - 31.01.2005	MIT Campus, Anna University	Teaching
Teaching Research Associate	01.02.2001 - 29.08.2004	MIT Campus, Anna University	Teaching
Lecturer	2Years 9 Months	Other Institutions	Teaching

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## Ph D /M S Scholars

S.No	Name	Title	Status
1	Mrs.Jeyanthi S	An Investigation on Use of Natural Fibre Reinforced Thermoplastic Composites for the Automotive Bumper Beams.	Completed
2	Mr.Ganesh V.	Design and implementation of variable braking force system on a two wheeler	Completed
3	Mr.Balamurugan L.	Generalized Magnetorheological (MR) damper model and its application in semi active control of Vehicle suspension system	Completed
4	Mr.Prabu K	Development and Performance Investigation of Hybrid Suspension System for Light Commercial Passenger Vehicle	Completed
5	Mr.Rajesh	Improvement of automotive A/C system	In Progress
6	Mr.Nandakumar ADJ	experimental Investigation on flow characteristic of MR fluid in automotive suspension system	In Progress
7	Mr. Anbhazhagan R	Design and analysis of vacuum braking system	In Progress
8	Mr.Dennie John	Actively Controlled half car seating suspension system	In

			Progress
9	Mr.Sathish Kumar P	Active vibration control vehicle suspension system to improve passenger comfor	In Progress
10	Mr.Manikandan S	Performance evaluation of different Nano fluids in an automobile radiator	In Progress
11	Mr. Arun	Modelling and simulation of active automobiles suspension system	In Progress
12	Mr.SangeetSahayaJeyangel	Aerodynamic flow around a commercial vehicle – computational and experimental Investigation	In Progress

## International and National Conferences

1. Jancirani J “Thermal Loading of Disc Brake - A Review”, The 6th ASME – JSME International Conference. Hawaii, U.S.A, Paper No: TED-AJ03-233.
2. Jancirani J “combustion and performance of a Diesel engine with oxygenated diesel blend” , The international conference by SAE International 2004 .
3. Jancirani J.” Heat Transfer Analysis of automotive Disc Brakes”, The 5th International Congress On Thermal Stresses 2003, June 8th -11th, 2003, Blacksburg, VA, USA, Paper No: 236.
4. Jancirani J “Optimum design of Brake parameters using Genetic algorithm” SAE international technical paper , paper No: 2004 – 28-0016
5. Jancirani J, “Investigation on Thermal Loading of Disc brakes – An Approach”, ASME International Summer Heat Transfer Conference , Rio All Suite Hotel & CasinoLas Vegas, Nevada, USA, Paper No: HT2003- 40364
6. Jancirani J, “Design and Heat Transfer analysis of Automotive Disc Brakes”, ASME International Summer Heat Transfer Conference, Rio All Suite Hotel & CasinoLas Vegas, Nevada, USA, Paper No : HT2003- 40362
7. Jancirani J, “Design and Heat Transfer analysis of Automotive Disc Brakes”, ASME International Mechanical Engineering Congress and R&D Expo Washington, D.C., USA, Paper Number: IMECE2003-41031
8. Jancirani J “ Numerical simulation of Extended Expansion engine “ Proceedings of ICEF 03 Fall technical conference of the ASME internal combustion engine Division Erie, Pennsylvania , USA , 7- 10 September 2003.
9. Jancirani J “Optimization of Disc Brake Parameters Using Genetic Algorithm”, 3rd International conference on Automotive and fuel technology, New Delhi, Allied publisher Pvt. limited. Paper number 2004-28-001
10. Jancirani J “Cad application for virtual design and testing of automotive disc brakes”, First National conference on automotive Infotronics, August 2004 , SAE India, Chennai.
11. Jancirani J “Virtual heat transfer analysis of the automotive disc brakes”, First National conference on automotive Infotronics, August 2004, SAE India, Chennai.
12. Dandapani K, Jancirani J and S.Chanadrsekaran” “Design and development of electronically assisted braking system (EABS) for two wheeler” Proceeding of National conference on recent trends in automobile engineering ,Bharath University Chennai Feburaray 21st 2007, 8th and 9th February 2007.
13. Sridhar K and Jancirani J “ Optimized regenerative Braking system in electric Bike” National conference on advances in Automotive Technology, Rajalakshmi Engineering college , Chennai 15th and 16th July 2010
14. Rajesh M and Jancirani J,“ Effective Utilization of Exhaust Heat from IC Engines - Opportunities and Challenges” International Conference On Emerging Technologies in Renewable Energy August 18 – 21, 2010, Anna University Chennai, India
15. Jancirani J and Sridhar K “Optimized regenerative braking system for electric two wheelers ” International Conference on Emerging Technologies in Renewable Energy August 18 – 21, 2010, Anna University Chennai, India.
16. Ravi G and Jancirani J “ Reduction of HC using crank case ventilation with Oxygen tank “ Proceedings of national conference on recent advances in mechanical sciences1st April 2011, Madha engineering college, Chennai
17. Jeyanthi, Purushothaman and Jancirani J “ Development of ecofriendly Thermoplastics for Automotive Components” Proceedings of the Green Technology and Environmental conservation organized International slid waste association and National solid waste association of India, chennia 15-17 December 2011.pp76-70
18. Prabhu K and Jancirani J “Improving performance of active suspension system” International conference recent technology, engineering, management and science, Vivekananda college of engineering . Trthiruchengode pp.3-4 .March4-6, 2011
19. Prabhu K and Jancirani J “ A study on the performance analysis of the Active suspension system using Electromagnetic Actuator” “ Proceedings of the international conference on Design and advances in mechanical engineering , SKP engineering college , 16th -17th December 2011, pp 168-173
20. P.Sathish Kumar, Prabhu K and Jancirani J “ Analyze the performance of active suspension system for passenger vehicle to improve the ride comfort : proceedings of National conference on recent trends in Automobile engineering ,SA engineering college , Chennai 4th Feb 2012
21. R.Sakthivel and Jancirani J ” Optimization of passenger car bumper Beams of improve crashworthiness” Proceeding of national conference on emerging trends in mechanical engineering Rover college of engineering and technology February 16th and 17th 2012
22. R.Sakthivel and Jancirani J ” Optimization of passenger car bumper Beams to improve crashworthiness” Proceeding of international conference on Recent advances in Mechanical Engineering , 19th -20th April 2012
23. P.Sathish Kumar and Jancirani J “ Modeling and Simulation of quarter car suspension for improving the ride comfort” proceedings of National conference on Design, Manufacturing and Thermal Engineering ,SKR engineering college Chennai 30th March 2012
24. Jeyanthi S , Jancirani J and Paul Chandra kumar J” A Numerical performance of Automobile front beam by Quasi static analysis “ proceedings of the international conference on mathematics in engineering and Business management , March 9-10 2012, ISBN978-81-8286-015-5,pp228-231

- 25. Rajesh M, Jeevamalar J and Jancirani J "Active noise reduction of automotive HVAC system using Filtered LMS (Part 1 – Sound measurement )" Proceeding of IEEE international conference on advances in engineering , Science and Management , March 30-31 2012, ISBN 978-81909042-2-3
- 26. Prabhu K Jancirani J and Jeevamalar J "Development of an actively controlled vehicle suspension for passenger vehicles" Proceeding of IEEE international conference on advances in engineering , Science and Management , March 30-31 2012, ISBN 978-81909042-2-3
- 27. Jeyanthi S, Jeevamalar J and Jancirani J "Influence of Natural fibers in recycling of thermoplastics for automotive components" Proceeding of IEEE international conference on advances in engineering , Science and Management , March 30-31 2012, ISBN 978-81909042-2-3
- 28. P.Sathish Kumar Prabhu K and Jancirani J " Vibration controlling and energy recuperation in active suspension system using liner electric actuator" proceedings of National conference on recent advances in engineering and Technology, Srimuthukumarn Institute of Technology Chennai , 27th April 2012 pp 120-124
- 29. Jeyanthi and Jancirani J "Development of Kenaf long fiber Biopolymer composites for frontal beams in Automobiles" 2nd Asian symposium on material processing IIT Madras, 30th -31st August 201230. Blamurugan L and Jancirani J " Characterization of Magnetorheological damper using modified algebraic model" International conference on WORLD congress on Frontiers of Mechanical, Aeronautical; and Automobile Engineering 2nd-3rd Feb 2013 IIT Delhi
- 31. Stalin Wilfred Gunadoss and Jancirani J "Investigation on different Brake friction materials" National conference on Recent trends in Manufacturing sciences at Dhanalakshmi srinivasan College of engineering and technology, Chennai on 12th April 2013
- 32. Arun B and Jancirani J " Modeling and simulation of vehicle suspension system " National conference on Recent trends In mechatronics and Industrial safety Engineering K.S.Rangasamy College of Technology Trichengodu, Namakkal 10th April 2013
- 33. ADJ Nandakumar and Jancirani J " Mathematical Modeling Of MR Dampers Based On Fluid Dynamic Principles – A Review" Proceedings of Indian Conference on Applied Mechanics (INCAM) 2013 IIT Madras, 4 – 6 July 2013, PP 248 and 249
- 34. Sathishkumar and Janicrani J " An approach on performance comparison of quarter car suspension system" Proceedings International conference on recent advances in Mechanical engineering and Interdisciplinary Developments on 6 and 7 th March 2014( ICRAMID 2014) ISBN: 978-93-80609-17-1, pp no: 539-542
- 35. Manikandan S and Janicrani J "Review on heat transfer enhancement of Nano fluids – engine coolant "Proceedings International conference on recent advances in Mechanical engineering and Interdisciplinary Developments on 6 and 7 th March 2014 .( ICRAMID 2014) ISBN: 978-93-80609-17-1, pp no: 926-929

## International and National Journals

### INTERNATIONAL JOURNALS

- 1. Jancirani J and Chandrasekaran S (2009)"Alternate Materials for automotive Brake Disc" International Journal of emerging Technologies and Applications in Engg. and Technology , Volume 2, Page No 582, Issue 2 July 09.PP70-79, ISSN No: 0974-3588
- 2. Jancirani J and Chandrasekaran S(2009)"Design and Heat Transfer analysis of Automotive Brake Disc " International Journal of emerging Technologies and Applications in Engg. and Technology , Volume 2, Page No 455, Issue 2 , July 09.pp no:199-207 ISSN No: 0974-3588
- 3. Balamurugan L and Jancirani J (2011) " A survey on semi active suspension damper technologies and control strategies for vehicle ride comfort and drive stability" International Journal on Mechanical and Automobile engineering , pp: 27-38, volume 14, issue No: 01, special edition ,ISSN No:0974-231 X
- 4. Jeyanthi S and Jancirani J (2011)" Improving mechanical properties by hybrid long fibre reinforced composite for front beam of automotive "European Journal of scientific research Volume 60, Issue 2, page No 195- 199 ,ISSN No:1450-216X,PP195199
- 5. Jeyanthi S and Jancirani J(2011)"Effect of natural long fibre in thermoplastics for automotive structures" International Journal of emerging trends in engineering and development issue 1,vol,3 nov-2011.ISSN 2249-6149
- 6. Prabhu K and Jancirani J (2011) "Development of a new suspension system for passenger to improve occupants comfort" Journal of Mechanical Engineering. vol No 4 , pp. 7-3, ISSN No- 2230-9055
- 7. Prabhu K and Jancirani J(2012) " Investigation on the Performance of the quarter car model suspension system using electromagnetic actuator " International Journal Mechanical and Automobile engineering ,IJME special edition , Volume 20, Issue No:1, pp .1-8, ISSN No: 0974-231X.
- 8. Ganesh V and Jancirani J(2012) "Design and control of variable braking force system on a two wheeler" International Journal of Vehicle Design. Vol 60,Nos.3/4 2012 Inderscience Publishers ,Impact factor of 0.465
- 9. Prabhu K and Jancirani J(2012) " Performance of electromagnetic based suspension system for Automobile " International Journal of Vehicle structures and systems,4(2) 43-47, ISSN No: 0975-3060
- 10. Jeyanthi S and Jancirani J(2012) "Improving Mechanical properties by kenaf natural long fiber reinforced composite for of automotive structures" Journal of Applied science and Engineering , Vol.15,no.3,pp 275-280(2012),Impact factor of 0.43
- 11. Jeyanthi S and Jancirani J (2012) "Mechanical properties of hybrid long fibre reinforced composite for passenger car bumper beam " International Journal of Mechanical and Automobile Engineering , pp14-17, volume 21,Issue no:01
- 12. Ganesh V and Jancirani J(2012) "Mechanical control of Braking force for empty and loaded condition on a two wheeler Disc brake " International Journal of Mechanical and Automobile Engineering , Vol.17,no.3,pp 25-28 .
- 13. Balamurugan L and Jancirani J (2012) "An investigation on semi-active suspension damper and control strategies for vehicle ride comfort and road holding "ProcIMechE Part I: J Systems and Control Engineering Volume 226 Issue 8 September 2012 pp. 1119 - 1129. Impact factor of 0 .477
- 14. Jeyanthi and Jancirani J(2012)"Impact Analysis of Automobile Bumper Beams to Improve Crashworthiness Using FEA" Volume. 19, Issue. 2012, 8 of 'Wulfenia' Journal. Highly cited ISI indexed journal with Impact factor of 0.267
- 15. Jeyanthi and Jancirani J (2012) " Influence of natural long fibre in mechanical, thermal and recycling properties of thermoplastic composites in automotive components "International Journal of Physical Sciences.IJPS-12-521.Vlounge 6(1) 2012.Impact factor of 0.546

- 16. Prabhu K and Jancirani J(2012)" Vehicle active suspension system simulation with optimum PID Technique "Volume. 19, Issue. 9, 2012 pp no: 119-129 of 'Wulfenia' Journal. Impact factor of 0.267
- 17. Jeyanthi S, Jancirani J and Paul Chandra Kumar J(2012)"A numerical performance of automobile front beam by finite element analysis "International Review of Mechanical Engineering(IREME)November 2012 (Vol. 6 N. 7)Impact factor 6.47, ISSN No.1970 – 8734
- 18. Balaji K, Avinash k, Santhosh b, Rafathsherief&Jancirani J(2012) " Simulation & fabrication of hydraulic power boost system" International Journal of Automobile Engineering Research and Development . ISSN 2277-4785 ,Vol. 2 Issue 3, 2012 PP31-41. Impact factor of 2.7
- 19. Balamurugan and Jancirani J(2012)" Algebraic modelling of a field controllable Magneto rheological fluid damper " International Journal of Science and Engineering Applications (IJSEA) Volume 1 Issue 2, 2012 Edition. ISSN - 2319-7560
- 20. Prabhu K, Jancirani J, Dennei John (2012) " Design and simulation of air suspension system" Arc. Des. Journal Vol. 65, No:11, 2012 pp 161-172, ISSN : 1661-464X .Impact factor 0.647 -
- 21. Balamurugan and Jancirani J(2013)"Application of a new modified parametric algebraic model for magneto rheological damper in vehicle semi-active suspension System" International Journal of Automobile Engineering Research and Development , ISSN 2277-4785 ,Vol. 3, Issue 1, pp. 1-14. Impact factor of 2.7
- 22. Prabhu K, Jancirani J, Dennei John and Arun B(2013)" Vibrational control of air suspension system using PID controller "Journal of Vibro Engineering", 2013, Volume 15, Issue 1.ISSN: 1392-8716. Impact factor 0.435 - SCI Journal
- 23. Balamurugan L and Jancirani J(2013)"Characterization of Magneto – Rheological (MR) damper using modified algebraic model " International Journal of Mechanical Engineering and Research ISSN : 2249-0019 Volume 3, number 1(2013) pp 63-66
- 24. Rajesh M, Rajesh R, Jancirani J (2013)" Effective utilization of exhaust heat from internal combustion engines – An overview" International Journal of Engineering Research and Technology. ISSN0974 -3154, Volume 6, Number 4 , pp255-258
- 25. Anbalagn R and Jancirani J(2013) "Design and Modification of Vacuum braking system" International Journal of Engineering Research and applications, ISSN 2248 -9622, Vol. 3, Issue 3, May –Jun 2013, pp 907-916
- 26. Prabu K and Jancirani J(2013) " Experimental Investigation on road vehicle active suspension " StrojinskiVestnik- Journal of Mechanical Engineering , Volume 59, No:10 pp :620-625, 2013, Impact Factor 0.883
- 27. Dennie John , Jancirani J and Prabu K(2013) " Mathematical Modelling of a pneumatically Actuated Half car Active suspension" International Journal for Scientific Research and Development , vol. 1, Issue 15 , PP 1107-1110, 2013
- 28. Jeyanthi S, Jancirani J (2014) "High velocity Impact analysis of the thermoplastic Bumpers in automobile "Journal of Scientific and Industrial Research, vol 73, January 2014 , PP 66-68. Impact factor 0.505
- 29. Sathishkumar.P , Jancirani J, Dennie John(2014) " Reducing the seat vibration of vehicle by semi active force control technique"Journal of Mechanical Science and Technology 28 (2) (2014) 473~479, Springer Publications
- 30. Balamurugan L and Jancirani J and EltantawieM.A (2014) "Generalized Magneto Rheological (MR ) damper model and its application in semi active control of vehicle suspension system " International Journal of Automotive Technology , Vol. 15, No : 3 pp. 419-427 . Impact factor 0.435
- 31. Manikandan S and Jancirani J(2014)"Review on Heat Transfer enhancement of nano fluids -Engine coolant "Journal ofAdvanced Materials Research Vols. 984-985 (2014) pp 1095-1101, (2014) Trans Tech Publications, Switzerland - SCI Journal
- 32. Manikandan S and Jancirani J(2014)"A Study of preparation and characterization of Nano-sized SiC powder using High energy ball milling"Journal ofApplied Mechanics and Materials Vols. 592-594(2014)pp13-17,TransTechPublications,Switzerland
- 33. Sathishkumar.P , Jancirani J, Dennie John and Arun B (2014)" Controller Design for Convuluted Air spring system controlled Suspension "Journal of Applied Mechanics and Materials Vols. 592-594 (2014) pp 1025-1029, (2014) Trans Tech Publications, Switzerland-
- 34. Sathishkumar P, Jancirani J,Dennie , An Approach on Performance Comparison of Quarter Car Suspension System, Advanced Materials Research 984, 629-633, 2014
- 35. Sathishkumar.P , Jancirani J, Dennie John(2014) " Reducing the seat vibration of vehicle by semi active force control technique"Journal of Mechanical Science and Technology , volume 28 (2) (2014)pp. 473~479, Trans Tech Publications
- 36. Sathishkumar.P, Jancirani J, DennieJohn(2014) " Reduction of axis acceleration of quarter car suspension using pneumatic actuator and active force control technique" Journal of Vibro Engineering. . VOLUME 16, ISSUE 3.PP 1416-1423 ISSN 1392-8716-
- 37. Rajesh M, Jancirani J, Aishwarya(2014)"Design of Electromechanical Engine for Zero Direct Emission" Journal ofApplied Mechanics and Materials Vol. 591 (2014) pp 23-26
- 38. Balamurugan L and Jancirani J (2014) "Characterization of Magneto Rheological (MR) damper and its use in semi active control of quarter car Model" International Journal of Vehicle Noise and Vibration. Inderseience Publication. ISSN: 1479- 1471. Vol. 10, Nos. 1/2,pp-108-128 , Impact factor 0.435
- 39. Sathishkumar P, Jancirani J,Dennie john, S. Manikandan(2014), "Mathematical modelling and simulation quarter car vehicle suspension", International Journal of Innovative Research in Science, Engineering and Technology, Vol 3(1), Feb 2014
- 40. Manikandan S and Jancirani J, "Heat Transfer Enhancement of Thermal System Using Nano fluids" Journal of Chemical and Pharmaceutical Sciences (ISSN: 0974 – 2115). paper accepted for publication (Annexure-II)
- 41. Jeyanthi S and Jancirani J(2014)"Development of Natural Long Fibre Thermoplastic Composites for Automotive Frontal Beams" Indian Journal of Engineering and Material Sciences ,Vol 21, october2014, pp 580-584- Impact Factor
- 42. Assar H and Jancirani J (2015)" A review on structural analysis and experimental investigation of fibre reinforced composite leaf spring" Journal of Reinforced Plastics and Composites. ISSN: 0731-6844- Accepted for Publication)
- 1. Balaji K , Sridhar k ,Rafath and Jancirani J (2009) "Optimized regenerative braking technology for electric Bikes " journal on mechanical engineering volume No: 1, issue no 1, January '11, ISSN No- 2230-9055

- 2. Jancirani J and Dhandapany(2009) “Design and Development of Electronically Assisted Braking systems for Two Wheelers “ SSEC journal, Volume 8 , 2009, ISSN No 0975-2846,pp57

## TRAINING PROGRAMMES/SEMINAR AND WORKSHOP ATTENDED

1. Two days' workshop on “ CAD/CAM/CAE” organized by department of Mechanical Engineering, Kongu Engineering college, Erode 19th Feb - 20th Feb 1999
2. One day workshop on “ Teaching Technology” organized by Bharathiyar College of Engineering and Technology, Karaikal, 31st July 2000
3. ISTE short term Training programme on “Automotive electronics for fuel Economy and Pollution control “Organized by Department of Automobile Engineering, MIT Campus, Anna University ,18th June – 30th June 2001(Two Week)
4. Short Course on “Total Quality Management “Organized by Center for Faculty Development, Anna University, Chennai , 9th June -13th June 2003 (One week)
5. Training program on “Disc Brake “Organized by Brakes India Limited, Padi. Chennai, 4th August – 8th August 2003(One week)
6. Seminar on “Security and Messaging “Organized by Microsoft and Department of Information Technology, MIT, Anna University, 15th October 2004(One day )
7. UGC Refresher course on “Mechatronics “Organized by UGC and Department of Production Technology. MIT Campus, Anna University, Chennai , 22nd Nov – 11th Dec 2001(Two Week)
8. National seminar on “Advances in Image Processing & Robotics “Organized by Department of Production Technology, MIT Anna University, Chennai , 25th and 26th February 2005(Two Days )
9. Short Course on “Computational Fluid flow and Heat Transfer “Organized by Centre for Faculty Development, Anna University Chennai 30th May – 4th June 2005(One week)
10. Short term course on “Modern Trends in Automobile Technology “Organized by National Institute of Technical Teachers Training and Research, Taramani, Chennai, 28th Nov- 2nd December 2005(One week)
11. National seminar on “Electronic Engine Management Systems “Organized by Department of Automobile Engineering, MIT Campus, Anna University , 10th and 11th March 2006( Two days)
12. QIP short term training programme on “Advanced manufacturing and metrology’ organized by Department of Mechanical Engineering, IIT Madras, 4th – 8th December 2006( One week)
13. Short Course on “Engineering Mechanics “Organized by Centre for Faculty Development, Anna University Chennai 15th – 20th December 2008(One week)
14. Short Course on “Mechatronics “Organized by Centre for Faculty Development, Anna University Chennai, 8th – 15th June 2009(One week)
15. Short Course on “Operational research “Organized by Centre for Faculty Development, Anna University Chennai, 14th – 22nd December 2009(One week)
16. Two days' workshop on “Recent trends and Development in engine Management systems and alternate Fuels. “Organized by Department of Automobile Engineering, MIT Campus, Anna University, 22nd and 23rd March 2010(2 Days)
17. Short Course on “Engineering Thermodynamics “Organized by Centre for Faculty Development, Anna University Chennai , 28th April 2011(One Day)
18. Short Course on “Fluid mechanics and machinery “Organized by Centre for Faculty Development, Anna University Chennai, 1st – 8th June 2011(One week)
19. Short Course on “Applied Hydraulic and pneumatics “Organized by Centre for Faculty Development, Anna University Chennai, 13th -19th June 2011(One week)
20. Two Day seminar on Recent advances in international combustion engines at CEG, Anna University Chennai, 24th and 25th Nov 2011
21. AICTE sponsored STTP on Robotics Technology for manufacturing “MIT, Anna university, Chennai, 10th -23rd December 2011(Two Week)
22. AICTE sponsored STTP on Automation and computer applications in manufacturing, IIT Madras Chennai, 6th -10th Feb 2012 (One week)
23. AICTE sponsored STTP on “Recent advancement and research in Robotics “ EGSP Engg College, Nagapattinam , 7th -18th May 2012(Two week)
24. AICTE sponsored STTP on “Recent trends in Automotive Electronics “ IRTT Erode, 3rd -16th June 2013(Two week)
25. AICTE sponsored STTP on “Renewable Energy based cooling systems- Opportunity and Challenges “ St. Joseph college of Engineering Chennai ,18th-29th Nov 2013(Two Week)
26. Short Course on “Advanced Theory of IC Engines “Organized by Centre for Faculty Development, Anna University Chennai, 9th -15th December 2013.(One week)

## Subjects Expertise

- Engineering Design
- Vehicle Design
- Automotive Vibration and control
- Automotive Chassis design
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## Accolades Recieved

S.No	Title
1	Received Rs 25,000 from CTDI, Anna University for Students' innovative Project for the year 2012-2013. Titled on “Wheel chair for climbing staircases “Project completed.
2	Received Rs 12,200 from CTDI, Anna University for Students' innovative Project for the year 2013-2014. Titled on: “Human powered electricity generation “Project completed.

## Books / Pattents

S.No	Title	Author/Editor	Year
1			

## Others

### ADMINISTRATIVE RESPONSIBILITIES

- Served as TREASURE - Students Cooperative Stores – MIT campus, Anna University
- Served as a Coordinator DST - FIST and participated for oral presented at Bangalore on behalf of department of Automobile Engineering. Received 112 lakhs for setting up new lab called ' Vehicle dynamics ' at Department of Automobile Engineering Department , MIT Campus, Anna university – 2014
- Served as NBA – COORDINATOR, Department of Automobile Engineering Department , MIT Campus, Anna university
- Served as NSS PROGRAMME OFFICER, MIT Campus, Anna University.
- INSPECTION COMMITTEE MEMBER for Anna University affiliated Engineering colleges.
- Served as UG PROFESSOR IN CHARGE- Department of Automobile Engineering Department MIT Campus, Anna University
- Department consultative committee (DCC) member
- CLASS COMMITTEE CHAIRMAN – UG
- PH.D SELECTION BOARD MEMBER - Department of Automobile Engineering, MIT
- Served as PRESIDENT- Automobile Engineering Association, Dept. Of Auto. Engg. MIT Campus
- Served as Deputy warden – Ladies hostel , MIT Campus, Anna University

### Memberships in Professional Bodies

- Life Member - ISTE
- Life Member - Indian society of heat & Mass Transfer
- Life Member - Combustion Institute- Indian chapter
- Member - Society Automotive Engineers (SAE) - India

### Faculty Development Programme/ Workshop Organised

- 1. Coordinator for short course on Vehicle Technology for RANE TRW employee for a week time .(2014)
- 2. Served as a Coordinator for the Faculty Development Programme , on ME 2204 – Fluid Mechanics and Machinery from 1st - 8th June 2011 for Anna University affiliated college leaner Faculty members , sponsored by Ann University Chennai
- 3. Served as a Coordinator for the Faculty Development Programme on “ME 2202 – Engineering Thermodynamics “from 20th May - 26th May 2010, for Anna University affiliated college leaner Faculty members sponsored by Ann University Chennai
- 4. Served as a Coordinator for Two day workshop on “ Recent trends and developments in engine Management systems and Alternative Fuels” 22nd and 23rd March 2010 for Anna University affiliated college Faculty members.

### Other Members

- Member, Board of studies (BOS) , Vel Tech University , Avadi ,Chennai
- Served as an Expert member , Staff Selection Commission board
- TNPSC Question paper setter and question paper scrutiny member for the year 2011 and 2012

### PATENTS GRANTED AND FILED

S.No	Title	Author/Editor	Granted/Filed	Patent No.
1				