

CURRICULUM VITAE



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Department of Mechanical Engineering,
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DEGREE : DOCTOR OF PHILOSOPHY

BRANCH : MECHANICAL ENGINEERING

SPECIALISATION : BIOFUELS FOR IC ENGINES

CAREER OBJECTIVE:

Aspiring a challenging position in the field of Mechanical Engineering. There by enrich and enhancing skills and to become a strong resource for the organization where the common goals of the organization and the individual is met.

EDUCATIONAL PROFILE:

S. NO.	COURSE STUDIED	SPECIALIZATION	BOARD/UNIVERSITY	PERIOD OF STUDY	% OF MARKS OBTAINED	DIVISION
1	Ph.D	Biofuels for IC Engines	St.Peters University, chennai	2009-2014		
2	M.Tech	Mechatronics	VIT,Vellore	2002-2004	84	Distinction
3	B.Tech	Mechanical	NBK RIST (S.V. University)	1997-2001	66	First Class
4	INTERMEDIATE	M.P.C	Board of Intermediate Education: A.P,Hyd.	1994-1996	66	First Class
5	SSC	-----	Board of Secondary Education : A.P,Hyd.	1992-1993	63	First Class

TEACHING EXPERIENCE: 13 years 5 months

S. No.	Institute / Organization	Position held	Duration		Regular/ Adhoc /Ratified
			From	To	
1	Mekapati Raja Mohan Reddy Institute of Technology & Science	Lecturer	9-6-2004	6-6-2005	Regular
2	Chadalwada Ramanamma Engineering College , Tirupathi	Assistant Professor	9-6-2005	6-11-2006	Regular
3	QIS College of Engineering & Technology	Assistant Professor	1-12-2006	30-6-2009	Ratified
4	QIS College of Engineering & Technology	Associate Professor	1-7-2009	30-5-2014	Ratified as Assistant professor in JNTUK
5	QIS College of Engineering & Technology	Professor	1-6-2014	24-9-2014	Ratified as Associate professor in JNTUK
6	QIS Institute of Technology	Professor & HOD	25-9-2014	21-09-2016	Regular
7	QIS College of Engineering & Technology	Professor & Dean	22-09-2016	04-03-2017	Regular
8	Sri Vasavi Engineering college	Professor	06-03-2017	05-07-2017	Regular
9	Sri Vasavi Engineering college	Professor & HOD	06-07-2017	Till now	Regular

Areas of Interest

Bio-fuels and IC Engines	Optimization of Transesterification process (Different catalysts & Two-step), Solar Energy Utilization in the production of Biodiesel, Engine testing (Stationary and Automotive Engines), Combustion analysis, NOx Reduction techniques (for engines), Stratified Charged Engine and Variable Compression Ratio SI Engine
Mechatronics	A Mechatronic solution for Automotive safety by Electronic Control Unit (ECU),Automation

Project Guidance for UG Students

1. Production of Bio-diesel from Vegetable Oils
2. Effect of EGR on the Performance and Emission Characteristics of Four-Stroke Single Cylinder Diesel Engine
3. Performance and Emission Characteristics of CI engine fuelled with bio-Diesel Production from Vegetable Oils.
4. Ethanol as an Alternate Fuel.
5. Preparation and Emission Test of Sunflower Biodiesel on Single Cylinder Diesel E51ngine.
6. Experimental Investigations on the Performance, Combustion and Exhaust Emissions of Blends of Palm Oil Methyl Esters with Diesel in A Single Cylinder 4-Stroke Direct Injection Diesel Engine
7. Performance and Emission Characteristics of CI Engines Fuelled with waste cooking oil Methyl Esters and Blended with Diesel.
8. Performance and Emission Characteristics of C I Engine Fuelled With Karanja Methyl Ester/Diesel Blends.
9. Experimental Study on Direct Injection Diesel Engine Performance, Combustion and Emission Characteristics with Animal Fat Methyl Ester/Diesel Blends.
10. Experimental investigations on four stroke diesel engine with linseed/diesel at various injection pressures.
11. Performance and emission Analysis of CI Engine fuelled with Palm Sledge Methyl esters blended with diesel.
12. Optimal Blend for the Performance and emission Analysis of CI & VCR Engine & fuelled with Animal Tallow Methyl esters blended with diesel.
13. Performance and Emission Characteristics of C I Engine Fuelled with Jatropha Methyl Ester/Diesel Blends.
14. Performance and Emission Analysis of Diesel Engine Fuelled With Palm Oil Methyl Ester With an Artificial Neural Network.
15. Performance and Emission Analysis of Diesel Engine Fuelled With Waste Cooking Oil Methyl Ester with an Artificial Neural Network.
16. Performance and Emission Characteristics on C-I Engine Fuelled with Waste Lubricating Oil as an Alternative Fuel Blended with Diesel.
17. Performance and Emission Characteristics on C-I Engine Fuelled with Palm Styrene Methyl Ester, Sun Flower Methyl Ester and Rice Bran Methyl Ester Blends as an Alternative Fuel Blended with Diesel
18. Experimental Investigation on CI Engine Fuelled with the Blends of Olive Oil Methyl Esters and Diesel.

Project Guidance for PG Students

1. Buckling Analysis of Composite Shells.
2. Modeling and Optimization of weight and Stress Reduction of Dump for Automotive Vehicles.
3. Strength Analysis of Tube to Tube Sheet Joint in Shell and Tube Heat Exchanger
4. Design and Analysis of a Storage Container used in Missile

5. Failure Analysis of Internal Combustion Engine Valves by Using Ansys
6. Design Optimization and Static & Thermal Analysis of Gas Turbine Blade.
7. Impact behavior on fiberglass reinforced laminates with the variation of composite core structure.
8. Crash test analysis of impact barrier using honey comb textile and other geometry's.
9. Finite Element Analysis of Surface Grinding Process using Nano Fluids.
10. Optimization and Analysis of Tool Life Based on Flank Wear In a Turning Process

TEXT BOOK

1. "Biodiesel as an Alternate Fuel", LAMBERT Academic publishing, 2014, ISBN: 978-3-659-56502-1.
2. "Structural and Thermal Analysis of I.C Engine Valves by using ANSYS", Rize Planetary Publication, 2015, ISBN: 978-81-930768-3-5.

AWARDS

1. Dr.A.P.J.Abdul Kalam Best Teacher Award in 2015 conducted by MARINA LABS Chennai.
2. Young Researcher Award for the Academic year 2013-2014 in QIS College of Engineering & Technology.
3. Visveswaraya Research Award for the Academic year 2015-2016 in QIS College of Engineering & Technology.

Research Article:

International Journals	77
International Conferences	19
National Conferences	32
Chapter in Books	01
TOTAL	129

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<http://www.researcherid.com/rid/P-8019-2016>

<https://scholar.google.co.in/citations?user=1BhdphsAAAAJ&hl=en>

https://www.researchgate.net/profile/Venkata_Mamilla

Papers Published in International Journals:

YEAR 2009

- 1) "Performance and Emission Characteristics of CI Engine Fuelled with Jatropa Methyl Ester / Diesel Blends" , International Journal on Mechanical & Automobile Engineering (IJMAE) , Volume 05 No.07 ,2009 pp. 01 – 05.
- 2) "Control of Electro-Mechanical Brake with Electronic Control Unit", International Journal of Electronic Engineering Research Volume 1 Number 3,2009 pp. 195 – 200.

- 3) "The Effect of EGR on the Performance and Emission Characteristics of Four-Stroke Single Cylinder Diesel Engine" International Journal on Mechanical & Automobile Engineering (IJMAE) , Volume 04 No.05, 2009 pp. 64 – 68.
- 4) "Design & Fabrication of Biodiesel Plant for the Synthesis of Biofuels from Vegetable Oils" International Journal on Mechanical & Automobile Engineering (IJMAE) , Volume 05 No.07 ,2009 pp. 86 – 90.
- 5) "Production of Biodiesel from Neem oil", International Journal of Engineering Studies, Volume 1, Number 4 ,2009 pp. 295–302.
- 6) "Experimental Study of Exhaust Emissions & Performance Analysis of Multi Cylinder S.I.Engine When Methanol used as an Additive" , International Journal on Mechanical & Automobile Engineering (IJMAE) Volume 04 No.05, 2009 pp. 05 –11.

YEAR 2010

- 1) "A Mechatronic System for Power Control", International Journal of Applied Engineering Research, Volume 5 Number 5, 2010, pp.779 –784.
- 2) "Six Sigma Dmac- Methodology to improve the quality of cylinder liners by reducing the block dot", International Journal of Applied Engineering Research, Volume 5 Number 3, 2010 pp. 523–536.
- 3) "Advanced Manufacturing & Nanotechnology", International Journal of Nanotechnology and Applications, Volume 4, Number 2, 2010 pp. 67-71.
- 4) "Synthesis of Biodiesel", International Journal of Engineering Science and Technology (IJEST) Vol. 2(8), 2010, pp. 3936-3941.
- 5) "Modeling and Optimization of Weight and Stress Reduction of Dump for Automotive Vehicles", International Journal on Mechanical & Automobile Engineering (IJMAE) ,Volume 11 Issue No.01, 2010 pp.60-66.

YEAR 2011

- 1) "Production of Hydrogen as a Fuel", International Journal of Advanced Engineering and Technology, Volume 2 Issue 1 , January – March 2011, pp. 185 – 189.
- 2) "Performance and Emission Characteristics of 4 Stroke Petrol Engine Fueled with Biogas / L.P.G Blends", International Journal of Advanced Engineering and Technology, Volume 2 Issue 1 , January – March 2011, pp. 209 – 213.
- 3) "Study on Emission Characteristics of 4 Stroke Petrol Engine Fueled with Biogas/L.P.G. Blends", International Journal of Engineering Studies, Volume 3, Number 1, 2011, pp. 47–55.
- 4) "Introduction to Biodiesel", International Journal of Advanced Engineering and Technology (IJAET) , Volume 2 Issue 3 , July - September 2011, pp. 243-245.
- 5) "Introduction to the Development and Design of a Mechatronic System", International Journal of Engineering Research and Applications, Vol. 1, Issue 3, 2011 pp.542-545.
- 6) "Study on Robot Anatomy and its Applications", International Journal of Engineering Research & Industrial Applications, Vol.4, No.4, November 2011, pp. 335-346.
- 7) "Development of Biodiesel from Castor Oil", International Journal of Energy Science, World Academic Publishing, Vol.1 No.3, 2011, pp.192-197.

- 8) "Preparation of Biodiesel from Karanja Oil", International Journal of Mechanical and Production Engineering Research and Development, Vol.1, Issue 1, 2011 pp.1-15.
- 9) "Investigations on the Performance and Exhaust Emissions of a Diesel Engine Using Preheated Madhuca Indica Oil as Fuel", International Journal of Mechanical and Production Engineering Research and Development, Vol.1, Issue 1, 2011 pp.1-15.
- 10) "Performance & Improvement of the Hydrogen Engine", International Journal of Engineering, Science and Metallurgy, Vol.1, No.2, 2011, pp 357-359.
- 11) "Performance and Emission Evaluation of Methanol Blended Fuels in S.I.Engines", Global Journal of Mechanical Engineering and Computational Science Volume 1 No.3, 2011, pp 5-8.

YEAR 2012

- 1) "Methanolysis of Castor Oil for Production of Biodiesel", International Journal of Advanced Engineering Technology, Vol.3 Issue 1, January-March, 2012, pp.146-148.
- 2) "Emissions and Performance Characteristics of Diesel Engine from Blends of Karanja Methyl Ester and Diesel", International Journal of Recent Scientific Research, Vol. 3, Issue, 1, January, 2012, pp.25 – 28.
- 3) "Performance and Emissions Characteristics of Single Cylinder 4 Stroke Water Cooled Diesel Engine from Jatropha Methyl Ester and Diesel Blends", International Journal of Recent Scientific Research, Vol. 3, Issue, 1, January, 2012, pp.20 – 24.
- 4) "Biodiesel Production from palm oil by Transesterification Method", International Journal of Current Research, Vol. 4, Issue 08, pp. 083-088. August, 2012.
- 5) Experimental Exploration of CI Engine Fuelled with Mahua Oil and Diesel with Low Heat Rejection Technique and by Varying Injection Pressure", International Journal of Recent Scientific Research, Volume. 3, Issue 1, January 2012, pp.45 – 49.
- 6) "Experimental Investigation of Compressed Ignition Engine Fuelled with Blends of Diesel and Mahua Oil and also by Varying Fuel Injection Pressures", International Journal of Recent Scientific Research, Volume. 3, Issue 2, February 2012, pp.80 – 85.
- 7) "Biodiesel: The Use of Vegetable Oils and Methyl Esters as Alternative Diesel Fuels", Indian Streams Research Journal, Volume 2, Issue. 7, Aug 2012, pp.74 – 83.
- 8) "Experimental Investigation of Direct Injection Compression Ignition Engine Fueled With Blends of Karanja Methyl Esters and Diesel", Elixir Thermal Engineering Journal, Volume. 48 ,2012, pp. 9400-9404.
- 9) "Analysis on Heat Transfer in Nanofluids for Al₂O₃ / Water", International Journal of Advanced Scientific Research And Technology, Volume 2 Issue 2, April 2012, pp 134-140.
- 10) "Experimental Investigation on Analysis on Heat Transfer in Nanofluids for Copper / Water", International Journal of Emerging trends in Engineering and Development, Vol.4 Issue 2, May 2012, pp 56-63.

- 11) "Design and Structural Analysis of Composite Multi Leaf Spring", International Journal of Emerging trends in Engineering and Development, Vol.5 Issue 2, July 2012, pp 30-37.
- 12) "Thermo Mechanical Analysis of Diesel Engine Piston Using Ceramic Crown", International Journal of Emerging trends in Engineering and Development, Vol.5 Issue 2, July 2012,pp 22-29.
- 13) "Design Evaluation and Optimization of an Alloy Wheel for Four Wheeler", International Journal of Production Technology and Management Research, Vol. 3, Issue 2, July-December 2012,pp 99-104.
- 14) "Review of An Alloy Wheel for Four Wheeler", International Journal of Production and Quality Engineering International Journal of Production and Quality Engineering (IJPQE), Volume 3, Number 2, July-December 2012, pp. 36-39.
- 15) "Review on analysis of tube to tube sheet joint in shell and tube heat exchanger", International Journal of Advances in Thermal Sciences and Engineering, Vol 3,No2,July-December,pp. 125-137, 2012.
- 16) "Strength analysis of tube sheet joint in shell and tube heat exchanger", International Journal of Science, Engineering and Technology Research, Volume 1, Issue 4, pp.43-50, October 2012.
- 17) "Fatigue analysis of connecting rod using forged steel and C-70", International Journal of Nanomaterials and Technology (IJNT), Volume 3, Number 2, July-December 2012, pp. 61-66.
- 18) "Structural Analysis of Spherical Shell with Radial Nozzle", International Journal of Materials, Manufacturing and Optimization (IJMMO),Volume 3, Number 2, July-December 2012, pp. 60-67.
- 19) "Significance of Biodiesel use as I.C.Engine fuels", International Journal of Advanced Engineering Research and studies, Volume 1 Issue 2 , January – March 2012, pp. 40 – 43.
- 20) "Review on analysis of connecting rod for internal combustion engines", International journal of Machine intelligence and application (IJMIA), Volume 3, Number 1, July-December 2012, pp. 64 -72.
- 21) "Review of Spherical Shell with Radial Nozzle", International journal of Machine intelligence and application (IJMIA),Volume 3, Number 1, July-December 2012, pp.80 -84.
- 22) "Development of Hydrogen by using Reformer", International Journal of Advanced Engineering Research and studies, Volume 1 Issue 2, January – March 2012, pp. 34 – 36.
- 23) "Development of Flexible Manufacturing System in Automation", International journal of computer science and information Engineering, Vol.2 No.2, June 2012, pp 53-58.

YEAR 2013

- 1) "Effect of combustion chamber design on a DI diesel engine fuelled with jatropha methyl esters blends with diesel", Journal of Procedia engineering, vol. 64, pp. 479-490, 2013.

- 2) "Effect of Injection Pressure on Performance, Emission and Combustion Characteristics of DI Diesel Engine Running on Blends of Jatropha methyl esters and Diesel Fuel", CIIT International Journal of Artificial Intelligent Systems and Machine Learning, vol 5, no.2, pp. 88-94, February 2013.
- 3) "Prediction of Cetane Number for Biodiesel Fuels: Karanja, Jatropha, Sunflower, Palm and Waste Cooking Oil Methyl Esters", CIIT International Journal of Artificial Intelligent Systems and Machine Learning, vol. 5, no.2, pp. 70-74, February 2013.
- 4) "Design and analysis of a storage container used in missile", MIT International Journal of Mechanical Engineering, Vol. 3, No. 2, pp. 75-79, August 2013.
- 5) "NOx Emission Control Techniques when CI Engine Is Fuelled with Blends of Mahua Methyl Esters and Diesel", International Journal of Engineering Sciences & Emerging Technologies, Feb. Volume 4, Issue 2, pp: 96-104, 2013.
- 6) "Performance, Combustion and Emission Analysis of Diesel Engine Fuelled with Blends of Diesel And Mahua Oil Methyl Esters With Retardation Of Injection Timing", Golden Research Thoughts, Volume 2, Issue. 7, pp 1-11, Jan. 2013.
- 7) "Performance analysis of IC engines with bio-diesel jatropha methyl ester (JME) blends", Academic Journals - Journal of Petroleum Technology and Alternatives Fuel, Vol. 4(5), pp. 90-93, May, 2013.
- 8) "Investigations on the Performance and Exhaust Emissions of Blends of Sunflower Methyl Esters with Diesel in a Single Cylinder 4-Stroke Direct Injection Diesel Engine", International Journal of Systems, Algorithms & Applications, Volume 3, Issue 1 pp 13-15, April 2013.
- 9) "Design Optimization and Static & Thermal Analysis of Gas Turbine Blade", International Journal Of Engineering, Business And Enterprise Applications, pp.53-57, 2013.
- 10) "Solid Modeling and assembly of Radial Engine", International journal of Review of Research, Vol.2 Issue 8 pp 1- 13, May 2013.
- 11) "Study and Preparation of Hydrogen as an Alternate Fuel", Aarhat Multidisciplinary International Education Research Journal, Vol.1 issue 5, 2013, pp. 9-19.
- 12) "Electrical Steering controlled by ECU for Automobiles based on Mechatronics Approach", Indian Journal of Engineering, Vol.2 No.4 February 2013, pp. 33 - 35.
- 13) "A Reliability based approach for Predicting Optimal Tool Replacement Time", International journal of Scientific Research in Knowledge, Vol. issue 10 pp.413 - 421, 2013.
- 14) "Virtual Reality for Nanorobotics" , International journal of Innovative Research & Studies, Vol.2 issue 3 pp.1 -11, March 2013.

YEAR 2014

- 1) "Failure Analysis of Internal Combustion Engine Valves by using ANSYS", American International Journal of Research in Science, Technology, Engineering & Mathematics, Vol. 5(2) 2014, pp.169 – 173.
- 2) "Impact behavior on fiberglass reinforced laminates with the variation of composite core structure", International Journal of Multidisciplinary Research and Development 2014; Vol. 1(5): 55-58.
- 3) "Micro Machining For Micro Electro Mechanical Systems (MEMS) " Procedia Materials Science, Vol. 6 , 2014 , pp 1170 – 1177.
- 4) "Crash test analysis of impact barrier using honey comb textile and other geometry's.", International Journal of Multidisciplinary Research and Development 2014; Vol. 1(5): 154-164.

YEAR 2015

- 1) "Optimal blend for the performance and emission analysis of C.I & V.C.R engine fuelled with animal tallow methyl esters (ATME) blended with diesels", Applied Mechanics and materials ,Vol. 812,(2015, pp. 79-84.
- 2) "Biodiesel Production from Waste Cooking Oil by Alkali Catalysed Transesterification Process", International Journal of Applied Engineering Research, Vol.10, No. 6, 2015, pp.4969-4972.

YEAR 2016

- 1) "A review: Waste lubricating oil as an alternative fuel blended with diesel", International Journal of Advanced Scientific Research, Vol. 1 Issue. 1, April 2016, pp. 01-04.
- 2) "Study on computer numerical control (CNC) machines", International Journal of Advanced Scientific Research, Vol. 1 Issue. 1, April 2016, pp. 21-25.
- 3) "Design and thermal analysis of a plate heat exchanger", International Journal of Academic Studies, Vol. 2(5), 2016, pp. 303-308.
- 4) "Development of Ultrasonic Nondestructive Procedure for Testing of Welded Components", Journal of Environmental Science, Computer Science, and Engineering & Technology, Vol.5. No.3, 2016, pp.370-376.
- 5) "Design and Analysis of an Automobile Exhaust Muffler", Industrial and Systems Engineering, Vol. 1, No. 1, 2016, pp. 10-15.
- 6 "Review on Research Tool Condition Monitoring and Machining Processes in Turning", Industrial and Systems Engineering, Vol. 1, No. 1, 2016, pp. 22-26.
- 7) "Scaling Effect of the Direct Solar Hot Water Systems on Energy Efficiency", International Journal of Energy and Sustainable Development, Vol. 1, No. 1, 2016, pp. 1-5.
- 8) "Optimization and Analysis of Tool Life Based On Flank Wear in a Turning Process", International Journal for Research in Applied Science & Engineering Technology, Vol. 4(7), July 2016, pp.630-636.

- 9) "Optimal Performance and Emission Analysis of Diesel Engine Fuelled with Palm Oil Methyl Ester with an Artificial Neural Network", American Journal of Modern Energy, 2016, Vol. 2(4), pp. 17-21.
- 10) "Performance on CI Engine Fuelled Honge Biodiesel Blended with Diesel", Materials Today: Proceedings, Vol.3 (2016) pp.3626–3631.

YEAR 2017

- 1) "Study on Design of a Container with Composite Material", American Journal of Mechanical and Industrial Engineering, Vol. 2(3), 2017, pp. 127-129.
- 2) "Performance And Emission Characteristics on CI Engine Fuelled with Waste Lubricating Oil as an Alternative Fuel Blended with Diesel", Journal of Basic and Applied Research International, Vol.20(4):.pp. 225-232, 2017.

Chapter in Books

1. "Finite Element Analysis of Surface Grinding Process using Nano Fluids", Innovative Design and Development Practices in Aerospace and Automotive Engineering, Lecture Notes in Mechanical Engineering (Springer).

Papers Published in International Conferences:

- 1) "A Mechatronic solution to Automotive Safety" in International Proceedings First WCDM-2008 organized by DMICS at Hyderabad.
- 2) "Handling Stability with Advanced Control Systems" in International conference on emerging research and advances in mechanical engineering, ERA-2009 organized at Velammal Engineering College, Chennai, pp.1204 - 1208.
- 3) "Buckling Analysis of Composite Shells" in International conference at Bundelkhand Institute of Engineering & Technology February 26 –27,2011, pp. 807 – 815.
- 4) "Performance And Emission Evaluation Of Methanol Blended Fuels In S.I. Engines" in International conference at Bundelkhand Institute of Engineering & Technology February 26 –27, 2011. pp. 863 – 866.
- 5) "Robotics And Automation" in International conference at Bundelkhand Institute of Engineering & Technology February 26 –27,2011. pp. 802 – 806.
- 6) "Development of Mechatronic System for Automatic Lifting" in International Conference on Multi body Dynamics at KL University, 24th to 26th February 2011, Published by The vibration institute of india, ISSN:0972-5768. pp. 421–428.
- 7) "Integration of Mechanical and Electronic Systems In Mechanical Engineering" in International Conference on Multi body Dynamics at KL University, 24th to 26th February 2011, Published by The vibration institute of india, ISSN:0972-5768. pp. 437–445.
- 8) "Experimental Investigation of Exhaust Emissions on Multi Cylinder Petrol Engine Fueled with Petrol/Ethanol Blends" in International conference at Bundelkhand Institute of Engineering & Technology February 26 –27, 2011, pp. 824 – 828.
- 9) "Introduction to Generation of Epicyclic Gear Trains" " in International conference at Bundelkhand Institute of Engineering & Technology, February 26 – 27, 2011. pp. 876 – 879.

- 10) "Effect of Variation of Biogas/L.P.G Blends in Spark Ignition Engine Emissions" in International conference at Kalasalingam University March 24-26, 2011. pp.1045- 1049
- 11) "Experimental Investigation of Exhaust Emissions on Multi Cylinder Petrol Engine Fuelled with Petrol/Ethanol Blends" in International conference at Kalasalingam University March 24-26, 2011. pp. 1189 – 1192.
- 12) "Emission Control for Automotives – Electro Static Precipitators (ESP)" in International conference on Recent Trends in Engineering Management & Computer Application (INRTIEMC – 2011) May 30 & 31 pp 90-92.
- 13) "Biodiesel Production from Mahua (Madhuca Indica) Oil – An Analysis of Its Properties and Potential" International conference on Recent Trends in Engineering Management & Computer Application (INRTIEMC – 2011) May 30 & 31 pp 249-254.
- 14) "Piezoelectric Actuators and Transducers in Micro Electro Mechanical Systems (MEMS)", 2nd International Conference on Recent Advances in Design, Development and Control of Micro Air Vehicles (ICRAMAV-2013) JNTUH, Hyderabad, Published by Elsevier, November 21-23, pp.127 – 132, 2013.
- 15) "Structural and Buckling Analysis of Composite Cylindrical Shells", International Conference on Advances in Engineering and Technology-(ICAET 2014), ISBN No.: 978-1-4799-4949-6, 2014.
- 16) "Base-Catalyzed Material for Development of Biodiesel from Animal Fat Oil", International Conference on Advances in Engineering and Technology-(ICAET 2014), ISBN No.: 978-1-4799-4949-6, 2014.
- 17) "Failure Analysis of Plates Used In Treatment of Pectus Excavatum" International Conference on Advances in Engineering and Technology-(ICAET 2014), ISBN No.: 978-1-4799-4949-6, 2014.
- 18) "Fuelling Diesel Engine with B20 Blend Linseed Oil Methyl Esters/ Diesel at Different Injection Pressures: Performance and Emission Studies", International Conference on Advances in Engineering and Technology-(ICAET 2014), ISBN No.: 978-1-4799-4949-6, 2014.

Papers published in National Conferences:

- 1) "Development of Robotics in Automation" in National Conference on Emerging trends in Mechanical Engineering, ETME-2009 Organized at GCET, Gujarat , pp 45.
- 2) "Advanced Mechanical-Electronic Systems for Safety" in National Conference on Emerging trends in Mechanical Engineering , ETME-2009 Organized at GCET, Gujarat , pp 46.
- 3) "Design and Development of Automatic Lifting Mechanism for Reel handling System" in National Proceedings organized at KITS, TIME – 2004, pp. D22 - D25 Warangal.
- 4) "Extraction of Biodiesel from jatropha plant" National Conference on Recent Trends & challenges in Mechanical Engineering at KITS, RTCME – 2009 pp. 128 -134 , Ramtek.
- 5) "The effect of EGR on the performance and emission characteristics of four-Stroke single cylinder diesel engine" National Conference on Recent Trends in Automotive Engineering, pp-09.VAAHAN 09 at NIT Rourkela, Orissa

- 6) "Design & Fabrication of Biodiesel Plant for the Synthesis of Biofuels from Vegetable oils" National Conference on Recent Trends in Automotive Engineering, pp-08. VAAHAN 09 at NIT Rourkela, Orissa
- 7) "Performance and Emission Characteristics of CI Engine Fueled with Jatropa Methyl Ester/Diesel blends" National Conference on Recent Trends in Automotive Engineering, pp-16. VAAHAN 09 at NIT Rourkela, Orissa.
- 8) "Automatic Speed Control System" National Conference on Recent Trends & challenges in Mechanical Engineering at KITS, RTCME – 2009 pp. 29 -34, Ramtek.
- 9) "Micro Electro Mechanical Systems" National Conference on Recent Trends & challenges in Mechanical Engineering at KITS, RTCME – 2009 pp. 22 -28, Ramtek.
- 10) "Experimental Study of Exhaust Emissions & Performance Analysis of Multi Cylinder S.I.Engine when Methanol used as an Additive" National Conference on Recent Trends in Automotive Engineering, pp - 18. VAAHAN 09 at NIT Rourkela, Orissa.
- 11) "Study and Preparation of Hydrogen as a Fuel" National conference on Recent Trends in I.C.Engines and Automobiles, pp 106 -109, RICA-2010 at Amrutvahini College of Engineering, Sangamner.
- 12) " Production of Hydrogen by using Reformer" National conference on Recent Trends in I.C.Engines and Automobiles, pp 137 -140, RICA-2010 at Amrutvahini College of Engineering, Sangamner.
- 13) "Biofuels" National conference on Recent Advances in Thermal Engineering, pp 56 - 60, RATE-2010, Lakshmi Narain College of Technology at Bhopal.
- 14) "Performance and Improvement of a Di Diesel Engine by Using Cottonseed Oil" National conference on Recent Advances in Thermal Engineering, pp 70 - 72, RATE-2010, Lakshmi Narain College of Technology at Bhopal.
- 15) "Introduction of Biodiesel as an Alternate fuel" National conference on Recent Advances in Thermal Engineering, pp 73 - 75, RATE-2010, Lakshmi Narain College of Technology at Bhopal.
- 16) "Performance and emission characteristics of I.C.Engine fuelled with Hydrogen/CNG" National conference on Recent Advances in Thermal Engineering, pp 67 -69, RATE-2010, Lakshmi Narain College of Technology at Bhopal.
- 17) "Pongamia oil as Alternative Fuel in Diesel Engine" One day National Level Seminar on Non Conventional Energy Sources, RENERGY-2010, pp 92 - 96 St. Ann's College of Engineering & Technology at Chirala.
- 18) "Geo Thermal Energy" One day National Level seminar on Non Conventional Energy Sources, RENERGY-2010, pp 97 - 100 St. Ann's College of Engineering & Technology at Chirala.
- 19) "Low Speed Wind Technology" One day National Level seminar on Non Conventional Energy Sources, RENERGY-2010, pp 51 - 56 St. Ann's College of Engineering & Technology at Chirala
- 20) "Renewable Sources of Energy" One day National Level seminar on Non Conventional Energy Sources, RENERGY-2010, pp 101 - 104 St. Ann's College of Engineering & Technology at Chirala.
- 21) "Performance Characteristics of Ethanol as a Alternate Fuel" Paper No.N-2010-F02-13. National Conference on Advances in Automotive Technology,

- NCAAT – 2010 at Rajalakshmi Engineering College, Chennai, ISBN:978-93-81006-06-1, pp - 4.
- 22) “Exhaust Emissions From SI Engine” National Conference on Advances in Mechanical Engineering ,NCAME - 2010,pp 48 - 54 at Prasad V. Potluri Siddhartha Institute of Technology ,Vijayawada.
- 23) “Hydrogen as a Future Fuel” National Conference on Advances in Mechanical Engineering ,NCAME - 2010,pp 55 - 61 at Prasad V. Potluri Siddhartha Institute of Technology ,Vijayawada.
- 24) “Robotic Welding of Alloys” National Conference on Advances in Mechanical Engineering ,NCAME - 2010,pp 215 – 223 at Prasad V. Potluri Siddhartha Institute of Technology ,Vijayawada.
- 25) “Introduction to Flexible Manufacturing System(Fms)” National Conference on Advances in Mechanical Engineering ,NCAME - 2010,pp 224 - 232 at Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada.
- 26) “Body Construction of Tipper Load/Dump Vehicles” in Proceedings of the IV National conference on Trends in Mechanical Engineering TIME – 2010, pp.187 - 191 organized at KITS, Warangal.
- 27) “Introduction and Design Process of a Robot” ” in Proceedings of the IV National conference on Trends in Mechanical Engineering TIME - 2010, pp.216 - 219 organized at KITS, Warangal.
- 28) “A Platform of Generation Biofuels: a proven Future Technology with Unknown Risks” in Proceedings of the IV National conference on Trends in Mechanical Engineering TIME - 2010, pp.183 - 186 organized at KITS, Warangal.
- 29) “Hydrogen as a Clean Energy Option” National Conference on Emerging Frontiers in Mechanical Engineering for new Generation Industry (EFME 2011), March 12-13 at Ideal Institute of Technology,Ghaziabad, 2011,Allied Publishers,ISBN:978-81-8424-6674, pp.291 – 296.
- 30) “Shape Memory Alloys in the Field of Mechatronics” National Conference on Emerging Technologies in Mechanical Engineering, March 24-25, 2011. pp181-183.
- 31) “Zigbee Based Wearable Personal Healthcare and Emergency AID System” Proceedings of National Conference on Computing concepts on current trends NC4T 2011,11&12 August at sathyabama University, pp. 339 -342.
- 32) “Interfacing to the real world :Review of Electrical sensors and Actuators”, National Conference on Emerging trends in engineering and sciences published by Tata McGrawhill ISBN; 978-93-392-0316-0,January 30-31at Asansol Engineering college,2014,pp.143-150.

Attending National Level work shops/Seminars/conferences

- 1) National conference on MEMS & Nanotechnology, organized at Vellore Institute of Technology, 28 February & 1 March, 2003.
- 2) Two Weeks Short term training program on Precision Manufacturing & Nanotechnology organized at P.E.S college of Engineering, mandya, 22 November to 3 December, 2004.
- 3) Second National conference on Trends in Mechanical Engineering, at KITS, Warangal, 27 December 2004.
- 4) One week National Workshop on Computer aided engineering organized by TEQIP in R.G.M Engineering College, Nandyal, December 17-21, 2007.

- 5) One day Workshop on “Role of Mechatronics and Robotics in industrial sector” at QISCET, Ongole, 14 July 2008.
- 6) one day National Workshop on “Mechatronics” organized by CMT at V.R Siddhartha Engineering College, Vijayawada, 22 August, 2008.
- 7) First world Congress on Disaster Management, (WCDM) at NAC campus, Hyderabad, October 21-24, 2008.
- 8) one day National Workshop on “Expert Systems in Welding” and “Recent Advances & Simulation in I.C.Engines” organized by GKEC, Sullurpet, 27 December 2008.
- 9) One day National Level Workshop on “Mechatronics” Conducted by Division of Aero-Mechanical at IARE, Hyderabad, January 20, 2009.
- 10) International conference on emerging research and advances in mechanical engineering, organized at Velammal Engineering College, Chennai. March 19-21, 2009.
- 11) One day National Level seminar on Non Conventional Energy Sources, RENERGY-2010, St. Ann’s College of Engineering & Technology , Chirala, July 16 2010.
- 12) Two week staff development programme on Bio fuels for Internal Combustion Engines, organized at QISCET, Ongole, November 16-28, 2010.
- 13) One day National Seminar on “Alternate Fuels” at K L University, Guntur, 24 December 2010.
- 14) National conference on Advances in Computing & IT, February 24, 2011.
- 15) International conference on Multi body dynamics organized by K L University, Guntur, February 24-26, 2011.
- 16) Mission10X workshop Conducted at QISCET, Ongole, July 26-30, 2011.
- 17) Second International Conference on Applied sciences and Engineering, Association of Scholars & Professionals, Hyderabad, March 31, 2013.
- 18) Faculty Development Programme on Research Methodology ,organized at QISCET ,Ongole, October 19-20,2013.
- 19) Faculty Development Programme on Research Methodology & Innovation, organized at QISCET ,Ongole, 11th November , 2013.
- 20) Second International conference on Green Technologies for Power Generation, Communication & Instrumentation, at st.peter’s University, Chennai, February 26-27,2015.

Membership of Professional Bodies

- Member in **Indian Society of Technical Education**
- Member in **IAENG International Association of Engineers**, Member Number : 150742

Reviewer in International Journals

1. Advances in Research, (sciencedomain.org)
2. Energy Conversion and Management (Elsevier)
3. Journal of Basic and Applied Research International (ikpress.org)
4. Journal of Applied Chemical Science International (ikpress.org)
5. Journal of Petroleum Technology and Alternative Fuels (Academic journals)
6. Journal of Automobile Engineering (Sage publications)

Editorial Board member in International Journal

1. Editorial board member (Member ID: 1301) in International Journal of Application or Innovation in Engineering & Management (IJAEM)
2. Editorial board member/peer reviewer of International Journal of Oil, Gas and Coal Engineering, SciencePG Publishing.

Workshops / Technical Symposium /Short-term Course Organized

1. Acted as a convener for National level student technical and cultural Fest QISFEST -2015 held on 28 and 29 March 2015 in QIS educational Institutes.
2. Acted as a convener for National level workshop Composite materials and its applications held on 08-08-2015 in QIS Institute of Technology.
3. Acted as a convener for National level workshop Computational Fluid Dynamics held on 29 & 30 August 2015 in QIS Institute of Technology



Receiving Doctoral Degree at 5th Convocation - St.Peters.University, Chennai



Receiving Dr.APJ Abdul Kalam Best Teaching Excellence Award

Subjects Taught in UG

1. Kinematics of Machinery.
2. Dynamics of Machines.
3. Mechatronics.
4. Thermodynamics.
5. Operation Research.
6. Engineering Mechanics.
7. Instrumentation & Control Systems.
8. Engineering Graphics
9. Engineering Drawing
10. Metrology.
11. Machine Drawing
12. Robotics
13. Fluid Mechanics & Hydraulic Machinery.
14. Heat Transfer
15. Microelectro Mechanical system.
16. Production Technology
17. Thermal Engineering –I
18. Thermal Engineering –II
19. Basic Electronics.

Labs handled in UG

1. Fuels & Lubricants
2. Instrumentation
3. Metallurgy
4. Thermal Engineering
5. Work shop
6. Mechanics of solids
7. Fluid Mechanics & Hydraulic Machinery
8. Production Technology

Subjects Taught in PG

1. Advanced Mechanisms
2. Mechatronics
3. Robotics

Academic Works

1. Actively involved in Autonomous related works
2. Actively involved in NBA related works
3. Class teacher
4. Project co-ordinator
5. Seminar co-ordinator
6. Co-ordinator in Students Technical Symposium.
7. Thermal Lab Incharge.
8. FM &HM Lab Incharge.
9. About Research work
10. JNTU works
11. EDEP cell Member.

Other Contributions

1. Motivated the students to present/publish papers in various conferences.
2. Acted as Reviewer for International Journals.

Personal Details:

Name : M.V.Ramesh
Name of the Father : M.V.Subbaiah
Father Occupation : Business
Address for communication : H. No.1-11-1163, First floor, R R Hospital Road,
opposite bus Depot, near kondayya cheruvu,
tadepalligudem – 534101, West godavari District.

Date of Birth : 01-09-1977
Age : 40
Religion : CHRISTIAN
Marital status : Married
Sex : Male

DECLARATION

I do hereby declare that the above information furnished by me is true to the best of my knowledge.

Date:
Place:



(M.V.RAMESH)