

9. Service details :

Designation	Nature of appointment (Regular/fixed term/Temporary/ Adhoc)	Name of the Employer/ Institution	Date of		Pay Scale with Grade
			Joining	Leaving	
Asst. Professor	REGULAR	SRKR ENGG. COLLEGE Bhimavaram	15.09.83	31.8.1990	2200-75-2800-100-4000
Assoc. Professor	REGULAR	SRKR ENGG. COLLEGE Bhimavaram	01.09.90	08.09.1998	3700-125-4700-160-5300
Professor	REGULAR	G.R.I.E.T. HYDERABAD	09.09.98	02.06.2003	Rs 16400-450-22400
Professor	REGULAR	JNTU & JNTUK	03.06.03	Till Date	Rs 16400-450-22400

10. Administrative Experience

S.No	Name of the post	Name of the organization	Period
1	Principal	University College of Engineering Kakinada (Autonomous), JNTUK-Kakinada	31.08.2015 to Till Date
2	Director, Center of Excellence For E-Resource Development And Deployment (Coerd&D),	JNTUK, KAKINADA	From 13.11.2013 to 30.08.2015
3	Chairman, Board of Studies in Mechanical Engineering	JNTUK, KAKINADA	2013-2014
4	Chairman, Board of Studies in Mechanical Engineering	JNTUK, KAKINADA	2009-2011
5	Principal University College of Engineering, Vizianagaram, JNTUK, kakinada	JNTU Hyderabad & JNTUK, KAKINADA	2007-2010
6	Professor Coordinator, R&D Cell, JNTU Hyderabad	JNTU Kukatpally, Hyderabad	2005-2007
7	Professor & Head, Mechanical Engineering Department	JNTU College of Engineering, Kakinada	2003-2005
8	Professor & Head, Mechanical Engineering Department	Gokaraju Ranga Raju Institute of Engineering & Technology, Hyderabad	1998-2003

11. Research Experience : 20 years

I. No.of Research Projects completed :

S.No	Title	Agency	Amount
1.	Modernization of Thermal Engg. Lab, College of Engg., JNTUK	MODROBS	3.0 Lakhs
2	Pressure Gauge Calibration	Consultancy to industries	1.5 Lakhs
3	Determination of Oil characteristics	Consultancy to industries	1.0 Lakhs

II. Research Guidance :

No.of Ph.D's completed : 13

No.of candidates working : 10

No.of M.Tech's Guided : 42

12. Continuing Education :

No.of Orientations/Refresher courses attended : 12

No.of faculty development programes attended : 08

No.of short term courses / Seminars conducted : 10

13. Membership in Professional bodies :

I. Life member, **COMBUSTION INSTITUTE (I)**

II. Life member, **Indian Society for Technical Education(ISTE)**

14. Awards

S.No.	Details
1	AP State University Best Teacher Award for the year 2014-15
2	Best Teacher Award in the Mechanical Engineering Department for the year 2013-14, University College of Engineering JNTUK
3	University Meritorious Teacher Award for the year 2010, JNTUK Kakinada
4	National Award for Best Paper by Institution of Engineers for the year 1992-1993

15. List of Publications (List enclosed)

National : 26

International : 66

16. Any other Information

S.No.	Details
1	Data Auditor for NBA funded institutions
2	Founder Principal in the establishment of the JNTU College of Engg. Vizianagaram, 2007-2010.
3	Worked as Procurement coordinator for JNTU College of Engg. Kakinada in TEQIP Phase -I, 2003-05.
4	Worked as Member Academic Senate, Andhra University, 2004-05
5	Presently working as Member, Executive Council, JNTUK, Kakinada
6	Presently working as member, committee of AICTE Southern region, Hyderabad.

YEAR WISE LIST OF PUBLICATIONS OF Dr. V.RAMACHANDRA RAJU

2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
02	09	08	08	12	13	05	07	13	03	03	04	02

2004:

1. V.B.K.Murthy, A.V.sudhakar, K.Sivaji Babu & V.Ramachandra Raju, "Free Vibration analysis of 3 layered Cu-Fr sandwich beam", 3rd ICTACEM conference, IIT Kharagpur, December 28-30, 2004, PP 262-265.
2. B.Raghava Rao, A.V.Sudhakar and V.Ramachandra Raju, "Static Analysis of a Skew FRP Laminate (0/90/0) with circular cutouts", Proceedings of National conference on Mechanical Engineering, M.S.Ramaiah Institute of Technology, 2005,PP293-295.

2005:

1. GVNSR.Ratnakara Rao, Dr.V.Ramachandra Raju; "Performance evaluation of C.I engine using Diesel-Water emulsion". Proceedings of National conference on advances in mechanical engineering, Vasavi college of engineering, Hyderabad, 2005, PP T97-T99.
2. GVNSR.Ratnakara Rao, Dr.V.Ramachandra Raju; "Experimental Investigations on a Four stroke C.I engine using LPG as sole fuel", Proceedings of National conference on advances in mechanical engineering, Vasavi college of engineering, Hyderabad, 2005, PP T164-T165.
3. V. Durga Prasada Rao, Dr. K.Venkata Subbaiah, Dr.V.Ramachandra Raju, T.V.Subba Rao, "Genetic Algorithm approach to solve Multi-Item Inventory Problems", Proceedings of International Conference on Operations Research Applications in Infrastructure Development (ICORAID-2005-ORSI), Abs.29, Conducted by ORSI-Bangalore Chapter, I.I.Sc., Bangalore during December 27 – 29, 2005.

4. T. Nancharaiah, D.Ranga Raju and V.Ramachandra Raju, "Experimental study of laser power effects on quality of SLS parts", Proceedings of National Conference on 'Computational methods in Engineering', Osmania University, Hyderabad, September 16-17, 2005, PP 130-134.
5. T. Nancharaiah, D.Ranga Raju and V.Ramachandra Raju, "Effect of layer thickness and build orientation on surface quality of FDM prototypes", Proceedings of International Conference on 'Advances in materials, product design & Manufacturing systems', Bannari Amman Institute of Technology, December 12-14, 2005, PP 469-476.
6. K.Venkata Subbaiah, K.Narayana Rao & V.Ramachandra Raju, "Evaluation of a supply chain through response surface methodology", 10th Annual International conference on Industrial engineering- theory, applications & practice, Florida, USA, December 4-7, 2005.
7. Y.V.D.Rao, V.B.K.Murthy, U.K.Rao & V.Ramachandra Raju, "Free vibration analysis of 3layered C-C sandwich beam", National conference on composite component construction, JNTU Kakinada, 12-13th September, 2005, PP 104-108.
8. V.B.K.Murthy, A.V.Sudhakar, K.Sivaji Babu & V.Ramachandra Raju, "Static analysis of composite Skew Plates", National conference on composite component construction, JNTU Kakinada, 12-13th September, 2005, PP 138-142.
9. G.Kiranmai, V.Ramachandra Raju, K.K.K.Sanyasi Raju & D.Chakraborti, "Vibration & buckling of isotropic/composite cylindrical shells under internal/external hydraulic pressure", National conference on composite component construction, JNTU Kakinada, 12-13th September, 2005, PP 234-253.

2006:

1. GVNSR.Ratnakara Rao, Dr.V.Ramachandra Raju; "Experimental investigations on a four stroke single cylinder Diesel engine with esterified Mahua oil". Proceedings of International conference on bio-fuel vision 2015.College of engineering, Bikaner, 2006. PP 73-75.
2. V. Durga Prasada Rao, Dr. V.Ramachandra Raju, Dr.Venkata Subbaiah, "Optimal Policy Curve as a means of finding Optimal Inventory Policy-A Case Study", Industrial Engineering Journal, XXXV (8), 35-40, August 2006.
3. V.Durga Prasada Rao, K.Venkatasubbaiah and V. Ramachandra Raju , "Genetic Algorithm to solve constrained multi-item inventory problems", 10th Annual conference of the Society of Operations Management, organized by IIM, Ahmadabad, December 21-23, 2006.
4. B.Raghava Rao, K.M.Rao and V.Ramachandra Raju, "Temperature Distribution in thick Cross-Ply Composite Laminates", National JI. Of Technology, Vol.2, No.2, June 2006, PP 30-36.

5. B.Raghava Rao, V.B.K.Murthy, G.S.Rao, K.M.Rao & V.Ramachandra Raju, "Prediction of thermal conductivities of an angle ply lamina using FEM", International conference & exhibition on total engineering, analysis & manufacturing technologies, I.I.Sc. Bangalore, 28 Feb-2nd March, 2006, PP 101-104.
6. B.Raghava Rao, V.B.K.Murthy, G.S.Rao, K.M.Rao and V.Ramachandra Raju, "Effect of thermal Anisotropy on Temperature distribution in thick laminated composite plates", Proceedings of International Conference & Exhibition on Total Engineering, Analysis & Manufacturing Technologies, I.I.Sc. Bangalore, 28 Feb- 2 March, 2006.
7. A.V.Sudhakar, K.M.Rao & V.Rmachandra Raju, "Thermo-elastic analysis of skew laminates with a circular cutout", National Jl. of Technology, Vol.2, No.2, June 2006, PP 09-15.
8. Saurabh Gupta & V.Ramachandra Raju, "Estimation of optimum spacing in natural convection heat transfer through vertical rectangular fin array", National Conference on Engering technologies & Applications, Saurashtra University, Rajkot, 1-2 October 2006.

2007:

1. K.Narayana Rao, K.Venkatasubbaiah and V.Ramachandra Raju, Supplier Selection in Supply Chain Management Through Fuzzy outranking Technique, *Industrial Engineering Journal*, Vol.XXXVI, No.09, 2007, 17-21.
2. V.Durga Prasada Rao, K.Venkatasubbaiah, V. Ramachandra Raju and T.V.Subba Rao, "Optimization of constrained multi-item inventory problems using penalty function approach", *Industrial Engineering Jl.*, Vol.36, No.9, September 2007, PP 26 -29.
3. T. Nancharaiiah, D.Ranga Raju and V.Ramachandra Raju, "Effect of tool path parameters on fabrication of FDM components", *Manufacturing Technology & Research, An Intl. Jl.*, Vol. 3, No. 3&4, July-Dec., 2007, PP 35-40.
4. Dr. K.V.L.Raju, V.V.Rama Reddy, Dr. B.Satyanarayana and Dr. V.Ramachandra Raju, "Facility location problems in the presence of two convex/non-convex polygonal barrier/forbidden regions", *Industrial Engineering Journal*, Vol. 36, No. 06, June 2007, PP 27 - 33.
5. Dr. K.V.L.Raju, V.V.Rama Reddy, Dr. B.Satyanarayana and Dr. V.Ramachandra Raju, "Iso-cost contours to facility location problems in the presence of circular and polygonal forbidden regions ", 'OPSEARCH', National journal, Vol. 44, No. 04, December 2007, PP 304 - 321.
6. K.Sivaji Babu, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and M.S.R.Niranjan Kumar, "Micromechanical Analysis of FRP Hybrid composite Lamina for Thermal loading", *Intl. Journal of Material Science*, Vol.2, No.3, 2007,PP 295-307.

7. M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “ Three dimensional Finite Element Analysis of Adhesively Bonded Single Lap Joints in Laminated FRP Composites”, *International Journal of Material Science*, Vol.2, No.3, 2007,PP 309-319.
8. A.V.Sudhakar, M.S.R.Niranjan Kumar, V.B.K.Murthy, K.M.Rao & V.Ramachandra Raju, “Thermo-elastic analysis of skew cross-ply laminated composite plate with a circular cutout”, *International conference on Advances in Machine Design & Industry automaton*, college of Engineering, Pune, January 10-12, 2007, PP 143-147.

2008:

1. GVNSR. Ratnakara Rao, Dr.V.Ramachandra Raju, Dr.M.Muralidhara Rao; “Optimizing the compression ratio of diesel fuelled C.I Engine” *Asian research publication network Journal of engineering and applied science*, vol3, No.2 April 2008; ISSN 1819-6608.
2. K.Narayana Rao, K.Venkatasubbaiah and V. Ramachandra Raju, “ Selection of Supply Chain Through Fuzzy Analytic Hierarchy Process (FAHP), *International Journal of Mathematical Sciences*, Vol. 7, No3 – 4, 2008, 375-386.
3. T. Nancharaiah, D.Ranga Raju and V.Ramachandra Raju, “Effect of process parameters on part Accuracy of FDM components”, *Proceedings of International Conference on ‘Recent Advances in materials, Processing & Characterization’*, Siddhartha Engineering College, Vijayawada, July 3-4, 2008, PP 216-220.
4. K.Sivaji Babu, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and M.S.R.Niranjan Kumar, “Micromechanical Analysis of FRP Hybrid composite Lamina for out-of-plane Transverse Loading”, *Journal of Manufacturing Engineering*, Vol.3, No.1, 2008,PP 46-53.
5. K.Sivaji Babu, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and M.S.R.Niranjan Kumar, “Micromechanical Analysis of FRP Hybrid composite Lamina for Longitudinal Loading”, *National Journal of Technology*, Vol.4, No.1, March 2008,PP 24-32.
6. M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Three dimensional Finite Element Analysis of Adhesively Bonded Single Lap Joints in Laminated FRP Composites subjected to Combined Loading with C-C End Conditions”, *International Journal of Mechanics & Solids*, Vol.3, No.1, 2008,PP 99-108.
7. M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Analysis of Adhesively Bonded Single Lap Joint in Laminated FRP Composites subjected to Transverse Load”, *International Journal of Mechanics & Solids*, Vol.3, No.1, 2008,PP 75-86.
8. A.V.Sudhakar, K.M.Rao & V.Rmachandra Raju, “Thermo-elastic analysis of skew laminated composite plate with a circular cutout”, *Institute of Engineers (I) Jl. Of Technology*, Vol.89, July 2008, PP 36-41.

9. A.V.Sudhakar, V.Rmachandra Raju, V.B.K.Murthy, K.M.Rao & M.S.R.Nirannjan Kumar, “ Study of thermo-elastic behavior of skew laminated composite plate with a circular cutout using FEM”, International Journal of Mechanical Engineering, STROJNICKY CASOPIS, Vol 59, No.1, 2008.
10. K.Sivaji Babu, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and M.S.R.Niranjan Kumar, “Micromechanical Analysis of FRP Hybrid composite Lamina for in-plane Transverse Loading”, Indian Journal of Engineering & Materials science , Vol.3, No.1, 2008,PP 46-53.
11. M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Three dimensional Finite Element Analysis of Adhesively Bonded Single Lap Joints in Laminated FRP Composites subjected to thermal Loading with C-F End Conditions”, Intl. Jl. Of Materials Science, Vol. 3, No. 2, 2008, PP 187-198.
12. M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Three dimensional Finite Element Analysis of Adhesively Bonded Single Lap Joints in Laminated FRP Composites subjected to combined transverse & thermal Loading (S-S)”, Journal Of Manufacturing Engineering, Vol. 3, Issue 4, 2008, PP 235-243.

2009:

1. GVNSR.RatnakaraRao, Dr.V.Ramachandra Raju, Dr.M.Muralidhara Rao; “Optimizing the compression ratio of Mahua fuelled C.I Engine” Asian research publication network Journal of engineering and applied science, vol4, no.3 May 2009; ISSN 1819-6608.
2. GVNSR.RatnakaraRao, Dr.V.Ramachandra Raju, Dr.M.Muralidhara Rao; “Effect of addition of Di ethyl ether to neat Mahua oil on engine performance” International journal on mechanical and automobile engineering(IJMAE), vol3, no.4, March 2009; ISSN 0974-231X.
3. V.Durga Prasada Rao, K.Venkatasubbaiah and V. Ramachandra Raju , “Fuzzy Genetic approach to economic lot-size scheduling problem”, *Jordan Journal of Mechanical and Industrial Engineering*, Vol.3, No.1, March 2009, PP 9 -16.
4. V.Durga Prasada Rao, K.Venkatasubbaiah, V. Ramachandra Raju and T.V.Subba Rao, “Optimization of constrained multi-item inventory problems using Genetic Algorithm”, *Industrial Engineering Jl.*, Vol.1, No.7, January 2009, PP 21 - 28.
5. V.Durga Prasada Rao, K.Venkatasubbaiah, V. Ramachandra Raju and K.Narayana Rao, “Optimization of multi-item fuzzy lot sizing problems using Genetic Algorithm”, *Industrial Engineering Jl.*, Vol.II, No.6, December 2009, PP 29 - 32.
6. S.Ramana Babu, V.Ramachandra Raju and K.Ramji, “Performance optimization of actuation schemes for a non-redundant planar parallel manipulator”, *Intl. Jl. on Mechanical & Automobile Engineering*, Volume 05, N0.07, June-August 2009, PP 12-21.
7. K.Ramji, V.Ramachandra Raju and S.Ramana Babu, “Effect of actuation schemes on performance of Industrial manipulators”, *Intl. Jl. of Mechanics & Solids*, Volume 04, N0.01, 2009, PP 47-62.
8. M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, G.N.Rao, V.B.K.Murthy and V.V.S.Raju, “ Three dimensional Finite Element Analysis of Adhesively Bonded Single Lap Joints in Laminated FRP Composites subjected to thermal Loading with LC-US End Conditions”, *International Journal of Theoretical & Applied Mechanics*, Vol.4, No.1, 2009,PP 17-26.
9. M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Analysis of Adhesively Bonded Single Lap Joints in hybrid Composites subjected to transverse Load with LC-US End Conditions”, *International Journal of Theoretical & Applied Mechanics*, Vol.4, No.1, 2009,PP 39-48.
10. G.N.Rao, M.V.Rao, K.M.Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Analysis of Adhesive Bonded Single Lap Joints in hybrid Composites subjected to

transverse Load with S-S End Conditions”, International Journal of Mechanics & Solids, Vol.4, No.1, 2009,PP 85-94.

- 11.M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Three dimensional Finite Element Analysis of Adhesively Bonded Single Lap Joints in Laminated FRP Composites subjected to thermal Loading with C-C End Conditions”, International Journal of Mechanics & Solids, Vol.4, No.1, 2009,PP 105-115.
- 12.M.Venkateswara Rao, K.Mohan Rao, V.Ramachandra Raju, V.B.K.Murthy and V.V.S.Raju, “Three dimensional Finite Element Analysis of Adhesively Bonded Single Lap Joints in Laminated FRP Composites subjected to combined Loading with C-F End Conditions”, STROJNICKY CASOPIS, Jl. Of Mechanical engineering, Vol. 60, No. 5-6, 2009, PP 277-284.
13. Saurabh Gupta, V.Ramachandra Raju and A.V.Sitarama Raju, “Performance assessment of FC143A/HC600A/HC290 refrigerant mixture as alternative to CFC-12 for domestic refrigerator”, Intl. Jl. Of Emerging technologies & applications in Engineering, technology and Sciences, Vol. 2, Issue.2, 2009, PP 16-20.

2010:

1. V.Durga Prasada Rao, K.Venkatasubbaiah and V. Ramachandra Raju , “Optimization of constrained multi-item fuzzy inventory problems using Genetic Algorithm”, Intl. Jl. Of Mechanical Engineering, Vol.3, No.1, Jan-June 2010, PP 29 -35.
2. T. Nancharaiyah, D.Ranga Raju and V.Ramachandra Raju, “An experimental investigation on surface quality and dimensional accuracy of FDM components”, Intl. Journal on Emerging technologies Vol. 1, No. 2, 2010, PP 106-111.
3. GVNSR Ratnakar Rao, V.Ramachandra Raju, M.Muralidhara Rao, P. Srikanth, M.Suresh & Y.Mohan Raviteja, “Optimization of injection parameters for a stationary Diesel Engine”, Global Jl. Of Researchers in engineering, Vol. 10, Issue 2, June 2010, PP 2-10.
4. K.Narayana Rao, K.Venkatasubbaiah and V. Ramachandra Raju , “ Selection of Supply Chain Through Fuzzy Outranking Technique, *Journal of Information, Intelligence and Knowledge*, Vol. 2, Issue-2, 2010.
5. P.Ravindra Kumar, V.Ramachandra Raju and N.Ravi Kumar “Thermodynamic Analysis of Feed Water Heaters in Super Critical Power Plants” National Conference on Advances in Mechanical Engineering, 18th -19th November 2010, pp 34 – 39.

2011:

1. V.Damodara Naidu, V.Ramachandra Raju and S.S.N.Murthy, "Optimal Scheduling for construction of BTS sites in Telecom project", Industrial Engineering Jl., Volume II, No.29, November 2011, PP 25-30.
2. V.Damodara Naidu, V.Ramachandra Raju and S.S.N.Murthy, "Pre – Emptive Scheduling for construction of Towers in Telecom project", Proceedings of National Conference on 'Recent Advances in Mechanical Engineering', 7 – 8 July 2011, PP 178-184.
3. V.Damodara Naidu, V.Ramachandra Raju and S.S.N.Murthy, "Dynamic Supply chain management in optimization of BTS sites construction", Proceedings of International Conference on 'Contemporary Issues in Business Management', 25th & 26th August 2011, Nagpur, PP 256-263.
4. M.Muralikrishna, B.S.K.Sundarasiva Rao and V.Ramachandra Raju, "Theoretical and Experimental Investigation of Gain Scheduling and Adaptive Autopilots for a model boat", Intl. Journal of Engineering and Technology, Vol.3, No.2, February 2011, PP 902-911.
5. M.Muralikrishna, B.S.K.Sundarasiva Rao and V.Ramachandra Raju , "Adaptive Steering of Boat using Model Reference Approach" , Intl. Journal of Applied Engineering Research, Vol.6, No.6, 2011, PP 1223-1233.
6. G.Satish Babu, V.Ramachandra Raju and L.Pratap Reddy, "On the performance Indices of 2URP – 1RRP Robotic Manipulator", International Journal of Advanced Mechatronics and Robotics, Vol.3, N0.2, July-December 2011, PP 103-114.
7. P.Ravindra Kumar, N. Ravi Kumar and V.Ramachandra Raju, "Thermodynamic Analysis and Effect of Variables on Various Configurations of Feed water Heaters in Supercritical Power Cycles" International Conference on Emerging Trends in Engineering, May 4th and 5th 2011, pp 617 - 623.

2012:

1. P.S.Srinivas, V.Ramachandra Raju and C.S.P.Rao, "An Ant Colony Optimization Algorithm for Optimization of Process Plans" , Intl. Journal of Mechanical Engineering and Robotics Research, Vol. 1, No.3, October 2012, PP 31-42.
2. P.S.Srinivas, V.Ramachandra Raju and C.S.P.Rao, "Particle Swarm Optimization Approach for Scheduling of Flexible Job Shops", Intl. Journal of Engineering Research and Technology, Vol. 1, No.5, July 2012, PP 01-06.
3. P.S.Srinivas, V.Ramachandra Raju and C.S.P.Rao, "Optimization of Process Planning and Scheduling using ACO and PSO Algorithms" , Intl. Journal of Emerging Technology and Advanced Engineering, Vol. 2, No.10, October 2012, PP 343-354.

4. V.Durga Prasada Rao, K.Venkatasubbaiah, V. Ramachandra Raju and P.V.K.Raju, "Optimization of product mix in a paper mill using branch and bound paradigm", *Industrial Engineering Jl.*, Vol.II, No.4, April 2012, PP 13 - 16.
5. V.Durga Prasada Rao, V. Ramachandra Raju, K.Venkata Subbaiah and T.V.Subba Rao, "Multi – objective optimization of multi-item inventory problems using Genetic Algorithm", *Industrial Engineering Jl.*, Vol.V, No.7, July 2012, PP 06 - 10.
6. P.Ravindra Kumar , V.R.Raju, N.Ravi Kumar " Investigation of Improvement in Boiler Efficiency Through Incorporation of Additional Bank of Tubes in the Economiser for Supercritical Steam Power Cycles" *International Journal of Engineering Research and Development (IJERD)*, Vol. 4, Issue 8, November 2012, PP.94-100, ISO Certified , eISSN:2278-067X, pISSN:2278-800X
7. P.Ravindra Kumar , V.R.Raju, N.Ravi Kumar "" Mathematical Modeling of an advanced Once Through Boiler for Supercritical Power Plants -Review" *International Journal of Emerging Trends in Engineering and Development (IJETED)* Vol. 7, Issue 2, PP.87-97, November, 2012, h-Index ,ICV 5.8, ISSN:2249-6149
8. P.Ravindra Kumar, V.R.Raju, N.Ravi Kumar "Mathematical Analysis & Parametric Optimization on Performance of Steam Generator for Subcritical Power Plants " *International Review of Mechanical Engineering (IREME)*, Vol .6, No: 7, PP 1535-1545, November 2012. Impact Factor 6.46, ISSN:1970-8734.
9. P.Ravindra Kumar , V.R.Raju, N.Ravi Kumar " Exergetic Analysis –Optimization of Steam Generators Operating with Pulverized Coal" , *International Journal of Mechanics and Thermodynamics(IJMT)* , Vol. 3, No:2 PP:85-97, November 2012, ISSN:2278-361X.
10. G.Satish Babu, and V.Ramachandra Raju, "Performance Measures of 3-RPR Planar parallel Manipulators", *International Journal of Advanced Mechatronics and Robotics*, Vol.4, N0.2, July-December 2012, PP 113-119.
11. G.Satish Babu and V.Ramachandra Raju, "Performance Indices of 4R Planar Serial Manipulator with Actuation Schemes", *International Journal of Advanced Mechatronics and Robotics*, Vol.4, N0.2, July-December 2012, PP 121-129.
12. G.Satish Babu and V.Ramachandra Raju, "Performance analysis of University of Maryland Spatial Parallel Manipulator", *International Journal of Mechanical Engineering*, Vol.5, N0.2, July-December 2012, PP 167-171.
13. S. Ramana Babu, V. Ramachandra Raju and K.Ramji, "Choosing Actuation Scheme for Optimal Performance of 3-DOF Planar Parallel Manipulator, *International Journal of Advances in Mechanical Engineering*, Vol 2012.

2013:

1. P.Ravindra Kumar , V.R.Raju, N.Ravi Kumar “ Effect of Parameters in Once through Boiler for QControlling Reheat Steam Temperature in Supercritical Power plants” Research Journal of Engineering Sciences-ISCA ,Vol.2(1),27-34,Jan 2013, ISSN:2278-9472.
2. S.Ramana Babu, V.Ramachandra Raju, K.Ramji, Design for optimal performance of 3-RPS parallel manipulator using evolutionary algorithms, transactions of the Canadian society for Mechanical Engineering, Vol37, no.2, pp. 135-160, 2013.
3. S.Ramana Babu, V.Ramachandra Raju, K.Ramji, Neural network solutions of forward kinematics for 3RPS parallel manipulator, proceedings of the 1st International and 16th National Conference on Machines and Mechanisms (iNaCoMM2013),IIT Roorkee, India, Dec 18-20, 2013.

2014:

1. P.Ravindra Kumar, V.Ramachandra Raju, N.Ravi Kumar “Thermodynamic Analysis of Supercritical Coal based Thermal Power Plants, ICEE-2014 JNTUH, Hyderabad, 15-17th Dec 2014.
2. K.Sita Rama Raju, V.Ramachandra Raju, P.Rama Murthy Raju, Partha Ghosal, “Investigation of novel parameter affecting distribution of reinforcement and tensile strength of aluminium nano metal matrix composites” International Conference on Advances in Design and Manufacturing (ICAD&M14) pp. 233-237, 2014.
3. Umamaheswara Raju, R.S, V.Ramachandra Raju, R.Ramesh, “Machine Vision System for Predicting Surface Finish in Surface Grinding Process”, International Colloquium of Materials, Manufacturing and Metrology, ICMMM 2014, August 8-9, 2014, IIT Madras, Chennai, pp. 353-354.

2015:

1. S.Ramana Babu, V.Ramachandra Raju, K.Ramji, Design optimization of a 3 DOF Translational Parallel Manipulator, International Journal of Engineering and Advanced Technology, Vol.4, no.3, pp. 8-17, 2015
2. K.Sita Rama Raju, V.Ramachandra Raju, P.Rama Murthy Raju, Pratha Ghosal, Launching particle to constant reinforcement ratio as a parameter for improving the nanoreinforcement distribution and tensile strength of aluminum nanometal matrix composites, International Journal of Materials Research,Vol.106, pp. 909-914, 2015.
3. K.Sita Rama Raju, V.Ramachandra Raju, P.Rama Murthy Raju, Pratha Ghosal, Investigation of novel parameters affecting distribution of reinforcement in nano metal matrix composites, International Journal of Nano Manufacturing Vol. 11, pp. 94-109, 2015.

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