



Jawaharlal Nehru Technological University, Kakinada
Kakinada – 533 003, Andhra Pradesh


recognizes

Department of Mechanical Engineering
Gudlavalleru Engineering College, Gudlavalleru

as a research centre

for the academic years
2016-17 & 2017-18

Kakinada
15th February, 2017


Registrar
REGISTRAR
JNTU Kakinada
Kakinada - 533 003

GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTU, Kakinada)

Seshadri Rao Knowledge Village, Gudlavalleru – 521356

Krishna District, Andhra Pradesh

Department of Mechanical Engineering

Research Groups

Research Group Title : **Renewable Sources of Energy**

S.No.	Name of the Faculty	Designation	Position in Research Group
1	Dr. P. Nageswara Reddy	Prof. & Director (AS&A)	Coordinator
2	Dr. M.R.Ch. Sastry	Professor & HoD	Member
3	Sri B.V.S. Raghu Vamsi	Sr.Gr. Asst. Prof.	Member
4	Sri P. Tejomurthi	Asst. Prof.	Member
5	Sri J A Ranga Babu	Asst. Prof.	Member
6	Sri T. Siva Krishna	Asst. Prof.	Member
7	Sri M. Kamal Tej	Asst. Prof.	Member

Research Group Title : **Material Testing**

S.No.	Name of the Faculty	Designation	Position in Research Group
1	Dr. P. Ravindra Babu	Prof. & Principal	Coordinator
2	Sri K.Ch. Kishor Kumar	Assoc. Prof.	Member
3	Sri D. Kiran Prasad	Assoc. Prof.	Member
4	Sri L. Ramesh	Asst. Prof.	Member
5	Sri J. Phani Kumar	Asst. Prof.	Member
6	Sri P.N.S. Srinivas	Asst. Prof.	Member
7	Sri T. Nagaraju	Asst. Prof.	Member

Research Group Title : **Production and Industrial Engineering**

S.No.	Name of the Faculty	Designation	Position in Research Group
1	Dr. A. Jawahar Babu	Prof. & Mentor	Coordinator
2	Dr. B Karuna Kumar	Prof. & Vice Principal	Member
3	Dr. K Syam Sundar	Prof & CoE	Member
4	Sri. B Ramesh Nayak	Asst. Prof.	Member
5	Sri Y Karun Kumar	Asst. Prof.	Member
6	Sri. G Karuna Kumar	Asst. Prof.	Member
7	Sri A Siva Bhaskar	Asst. Prof.	Member
8	Sri. D Tarun	Asst. Prof.	Member
9	Sri. Shravan Kumar Yadav	Asst. Prof.	Member

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Department of Mechanical Engineering

Grants from External Agencies

S.No	Name of the PI/Co-PI	Year	Funding Agency	Title of the Project	Amt Req. (In Lakhs)	Status
1	Dr. A. Jawahar Babu	2017	AICTE-MODROBS	Processing and Characterization of Nano Composite Materials	5.00	Ongoing
2	Dr. A. Jawahar Babu	2012	AICTE-MODROBS	Modernization of CAD/CAM Lab	8.00	Completed
3	Dr. A. Jawahar Babu	2011	AICTE-MODROBS	Modernization of CAD/CAM Lab	7.00	Completed
4	D. Kiran Prasad	2011	AICTE-SEMINAR	Application of Finite Element Methods in Engineering	1.00	Completed
5	Dr. A. Jawahar Babu	2009	AICTE-MODROBS	Modernization of Thermal Engineering Laboratory	13.75	Completed
6	Prof. M. Jaganadham	2007	AICTE-SEMINAR	Applications of Optimization Techniques in Mechanical Engineering	1.50	Completed
Total					36.25	

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Sponsored Projects from External Agencies

S.No	Name of the PI/Co-PI	Year	Funding Agency	Title of the Project	Amt Req. (In Lakhs)	Status
1	Sri P. Tejomurthi	2016	UGC, Minor Research	Experimental Analysis of Solar Desiccant Cooling System with different desiccants	2.30	Ongoing
2	Sri B.V.S. Raghu Vamsi	2015	UGC, Minor Research	Experimental and Finite Element Analysis of a Plate with an Edge Crack Subjected to Combined Tension and Bending in Plane Stress and Plane Strain Condition	4.50	Completed
Total					6.80	

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Sponsored Projects from In-House R & D

S.No	Name of the PI/Co-PI	Year	Funding Agency	Title of the Project	Amt Req. (In Lakhs)	Status
1	Sri P.N.S. Srinivas	2017-18	In-House R&D	Development and Characterization of Nano Reinforced functionally graded aluminium metal matrix composites	4.20	Ongoing
2	Sri. K Ch Kishor Kumar	2016-17	In-House R&D	Effect of Sintering on matrix and reinforcement of nickel based super alloy	2.27	Ongoing
3	Sri B.V.S. Raghu Vamsi	2015-16	In-House R&D	Bend & Re-bend Tests on Fractured Components	1.90	Completed
4	Sri L Ramesh	2014-15	In-House R&D	Vibrational Analysis on Structural Beams	1.85	Completed
5	Sri. M.R.Ch. Sastry	2013-14	In-House R&D	Studies on Flow Visualization of Jet impingement	0.18	Completed
Total					10.4	

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A. Faculty with PhD:

S.No	Name of the Faculty	Area of Research	Title	University
1	Dr. P. Nageswara Reddy	Rotor Dynamics	Some investigations on aeroelastic stability of hingeless, FRP, Helicopter rotor blades in Hover	JNTU, Hyderabad
2	Dr. P. Ravindra Babu*	Production Engineering	Optimization of burnishing parameters and determination of steel surface characteristics in engineering materials	JNTU, Hyderabad
3	Dr. A. Jawahar Babu	Industrial Engineering	Decision support system for production planning in Ssi units using management science	JNTU, Hyderabad
4	Dr. B. Karuna Kumar*	Industrial Engineering	Mathematical modelling and analysis of centralized and decentralized multi-echelon inventory systems under price dependent demand variations	VIT University, Vellore
5	Dr. K. Syam Sundar*	Industrial Engineering	Development of two-echelon inventory systems for supply chain coordination under price dependent demand	VIT University, Vellore
6	Dr. M. R. Ch. Sastry*	Heat Transfer	Experimental and computational studies on slot Jet Impingement	JNTU, Hyderabad

* - Faculty completed Ph.D in service

B. Faculty Registered for PhD:

S.No	Name of the Faculty	University in which Ph.D is registered	Research Area	Year of Registration
1	Sri K. Ch. Kishor Kumar	JNTUK, Kakinada	Condition Monitoring	2012
2	Sri D.Kiran Prasad	JNTUK, Kakinada	Dynamic analysis of cracked Rotors	2012
3	Sri J. A. RangaBabu	NIT, Warangal	Nanofluids in Solar Thermal Collectors	2014
4	Sri T. NarasimhaSuri	NIT, Warangal	Heat line Visualization	2014
5	Sri L. Ramesh	AU, Visakhapatnam	Structural Health Monitoring	2014
6	Sri G. Karuna Kumar	AU, Visakhapatnam	Supply Chain Management	2014
7	Sri P. Tejomurthy	JNTUK, Kakinada	Solar based Vapour Absorption Refrigeration system	2015
8	Sri P. N. S. Srinivas	JNTUK, Kakinada	Nano reinforced metal matrix composites	2015

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RESEARCH PUBLICATIONS

RESEARCH PUBLICATIONS BY FACULTY

Academic Year	National Journals	International Journals	National Conferences	International Conferences
2017-18	01	03	01	03
2016-17	02	26	6	10
2015-16	02	04	---	06

Academic Year 2017-18

I. Journals:

a. International: 03

- **T.Nagaraju** (October, 2017) “Design and Fabrication of 4-Stroke SI Engine Connecting Rod of a Two Wheeler using A356 Alloy / Aluminium Oxide (Al_2O_3)” International Journal for Innovative Research in Science & Technology Issue 05, Volume 04.
- **N.Premdas, Dr.M.R.Ch.Sastry** (August, 2017) “Experimental Investigation on VCR Diesel Engine fuelled with Dual Biodiesel Blends of Palm and Jatropha” International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 04, Issue 08, ISSN – 2349-9745, pp: 25-35.
- **D.Tarun,V.Mohan Sreekanth,R.Jithendra Kumar, I. Mehar Anudeep, S.Srikanth,** Stress analysis on a chairless chair, International Journal of Theoretical and Applied Mechanics, ISSN 0973-6085, Vol. 12 No. 4 (2017), pp. 699-708

b. National: 01

- **Dr. A Jawahar Babu** (January, 2018) “Selection of bio implant materials using entropy and analytic hierarchy process” Research and reviews: Journal of bio informatics Issue 03, Volume 04. (Accepted for Publication).

II. Conferences:

a. International: 03

- **Shravan Yadav** has published a paper entitled "Preparation and Characterization of ZA27 – Alumina-Graphite Reinforced Hybrid Composites", in the International Conference on Advances in Materials and Manufacturing Engineering (ICAMME – 2018) at Acharya Nagarjuna University, held during 24th – 25th January, 2018.
- **G Karuna Kumar** has published a paper entitled "Applications of WPCA & CQL Methods in the Optimization of Multiple Responses", in the International Conference on Advances in Materials and Manufacturing Engineering (ICAMME – 2018) at Acharya Nagarjuna University, held during 24th – 25th January, 2018.
- **Shravan Yadav** has published a paper entitled "Experimental Study on Thermo-physical Properties of Nano fluids based on Copper Nanoparticles", in the International Conference on Nanotechnology: Ideas, Innovations and Initiatives (ICN: 3I - 2017) at IIT Roorkee, held during 06th – 8th December, 2017.

b. National: 01

- **B. V. S. Raghu Vamsi, N. Prem Das** has published a paper entitled "Strength analysis of Banana and Americana Hybrid Composite", in the National Conference on Recent Advances in Mechanical Engineering (NCRAME-17) at PVP Siddhartha Institute of Technology, Vijayawada on 02nd December, 2017.

Academic Year 2016-17

I. Journals:

a. International: 26

- **B. Ramesh Nayak** (June, 2017) "Design and Analysis of Press Tool for Washers" International Journal & Magazine of Engineering, Technology, Management and Research, ISSN No. 2348-4845, Volume No. 4 (2017), Issue No. 6 (June), Pp. 406-411
- **B.V.S. Raghu Vamsi** "Structural Analysis of thin isotropic and orthotropic plates using finite element analysis" (June, 2017) SSRG International Journal of Mechanical Engineering (SSRG-IJME) – volume 4 Issue 6, ISSN: 2348 – 8360, Pp: 17-27.
- **D. Tarun, V. Mohan Sreekanth**, "Design of Lower Limb Exoskeleton", International Journal for Innovative Research in Science & Technology, Volume 3, Issue 12, May 2017 ISSN 2349-6010, pp. 61-67
- **L. Ramesh** "Vibration Analysis of an Un-cracked & Cracked Fixed Beam by using analytical and FEM" (May – 2017) SSRG International Journal of Mechanical Engineering (SSRG-IJME) ISSN: 2348 – 8360, Pp: 92-100.

- **Johny Shaida shaik, L Ramesh and B Ramesh Nayak** “Modeling And Analysis of Multilayer Pressure Vessel” (May – 2017) SSRG International Journal of Mechanical Engineering (SSRG-IJME) ISSN: 2348 – 8360, PP 57-63.
- **Johny Shaida shaik, L Ramesh and K.Ch. Kishor Kumar** “Design and Optimization of Piston and Determination of its Thermal Stresses using Unigraphics and Ansys” (May – 2017) SSRG International Journal of Mechanical Engineering (SSRG-IJME) ISSN: 2348 – 8360, PP 350-356.
- **K. Ch. Kishor Kumar, B V S Raghu Vamsi, P. Murari**, Experimental Investigation on the Effect of Post Weld Heat Treatment on the Mechanical Properties of SS304 Weldment Fabricated by Vibratory Welding Process, SSRG International Journal of Mechanical Engineering (SSRG-IJME) – Special Issue May - 2017, ISSN: 2348 – 8360, pg. no. 300-303.
- **M. Krishna Prasanna, B.V.S.Raghu Vamsi and T.Siva Krishna** “Experimental investigation of heat transfer in plain and tapered cylindrical fins” (May – 2017) SSRG International Journal of Mechanical Engineering (SSRG-IJME) ISSN: 2348 – 8360, PP 169-174.
- **T.Siva Krishna, B.V.S.Raghu Vamsi and M.Krishna Prasanna** “Design and Optimization of Internal Combustion Engine Based Co-Generation System Using Integrated Thermal Management Controller” (May – 2017) SSRG International Journal of Mechanical Engineering (SSRG-IJME) ISSN: 2348 – 8360, PP 175-179.
- **B.V.S. Raghu Vamsi, K.Ch. Kishor Kumar, D. Kiran Prasad**, "Finite Element Analysis of An Edge Cracked Plate Subjected to Mixed Mode Loading (I/II) and Combined Tension-Bending – A Comparative Study", International Journal of Control Theory and Applications, International Science Press, ISSN: 0974-5572, Vol. 9, No. 42, 2017, pg. no. 15-30 (*SCI Journal and Indexed to Elsevier Bibliography database*)
- **B. V. S. Raghu Vamsi, M. Kamal Tej, P. Tejomurthy, K. Kumara Swamy**, “Studies on the affect of stress triaxiality on strain energy density, and CTOD under plane stress condition subjected to mixed mode (I/II) fracture”, International Journal of Control Theory and Applications, International Science Press, ISSN: 0974-5572, Vol. 10, No. 6, 2017, pg. no. 17-32 (*SCI Journal and Indexed to Elsevier Bibliography database*)
- **Dr. M.R.Ch. Sastry, R. Jithendra Kumar, I. Mehar Anudeep and N. Premdas** (April, 2017) “Vortex Flow over the flat plate and backward facing step” IOSR Journal of Engineering (OSRJEN) ISSN (e): 2250-3021, ISSN (p): 227-8719 Vol. 07, Issue 04, PP 20-31.
- **G. Karuna Kumar** (1 March, 2017) “Biological Extraction of Power from Bio Mass” International Journal of Engineering Science Invention Research & Development (IJESIRD) ISSN 2349-6185, Volume 3, Issue 8.
- **R. Jithendra Kumar** (March, 2017) “automatic Scissor Jack Using Car Battery” International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS), ISSN 2349-4476.

- **Sravan Kumar Yadav** (January, 2017) “Multiobjective Optimization During Wire EDM of WE 4.79% Composite Using Controlled NSGA II” International Journal of Modern Trends in Engineering and Research (IJMTER) Volume 04, Issue 1, IISN (Online): 2349-9745, ISSN (Print): 2393-8161.
- **Dr. P. Ravindra Babu, K.Ch. Kishor Kumar and T. Nagaraju** (January, 2017) “Vibrational Analysis in Condition Monitoring and Faults Diagnosis of Rotating Shaft Over View” International Journal of Advanced Engineering, Research and Science (IJAERS) Vol-4, Issue-1, Page No. 216-220.
- **B. Anusha** and B. Chaitanya (January, 2017) “Performance Analysis of Absorption Refrigeration Cycles” International Journal of Advanced Engineering Research and Science (IJAERS) Vol-4, Issue-1, ISSN: 2349-6495(P) | 2456-1908(O)
- **Sravan Kumar Yadav** (November, 2016) “Studies of Rock Bed Solar Thermal Storage System for Space Heating Applications” International Journal of Emerging Trends in Science and Technology, IC Value: 76.89 (Index Copernicus) Impact Factor: 2.838, IJETST-Vol.03, Issue: 11, Pages 4764-4770, ISSN: 2348-9480.
- **Dr. M.R.Ch. Sastry, R. Jithendra Kumar, I. Mehar Anudeep and N. Premdas** (April, 2017) “Vortex Flow over the flat plate and backward facing step” IOSR Journal of Engineering (OSRJEN) ISSN(e): 2250-3021, ISSN (p): 227-8719 Vol. 07, Issue 04, PP 20-31.
- **G. Karuna Kumar** (1 March, 2017) “Biological Extraction of Power from Bio Mass” International Journal of Engineering Science Invention Research & Development (IJESIRD) ISSN 2349-6185, Volume 3, Issue 8.
- **R. Jithendra Kumar** (March, 2017) “automatic Scissor Jack Using Car Battery” International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS), ISSN 2349-4476.
- **Sravan Kumar Yadav** (January, 2017) “Multiobjective Optimization During Wire EDM of WE 4.79% Composite Using Controlled NSGA II” International Journal of Modern Trends in Engineering and Research (IJMTER) Volume 04, Issue 1, IISN (Online): 2349-9745, ISSN (Print): 2393-8161.
- **Dr. P. Ravindra Babu, K.Ch. Kishor Kumar and T. Nagaraju** (January, 2017) “Vibrational Analysis in Condition Monitoring and Faults Diagnosis of Rotating Shaft Over View” International Journal of Advanced Engineering, Research and Science (IJAERS) Vol-4, Issue-1, Page No. 216-220.
- **B. Anusha** and B. Chaitanya (January, 2017) “Performance Analysis of Absorption Refrigeration Cycles” International Journal of Advanced Engineering Research and Science (IJAERS) Vol-4, Issue-1, ISSN: 2349-6495(P) | 2456-1908(O)
- **Sravan Kumar Yadav** (November, 2016) “Studies of Rock Bed Solar Thermal Storage System for Space Heating Applications” International Journal of Emerging Trends in Science and Technology, IC Value: 76.89 (Index Copernicus) Impact Factor: 2.838, IJETST-Vol.03, Issue: 11, Pages 4764-4770, ISSN: 2348-9480.
- **Dr. A. Jawahar Babu** (Oct., 2016) “Section of Bio-Implant Materials for Knee Replacement using Topsis Method” International Journal of Engineering Sciences & Research Technology, ISSN: 2277-9655, Value: 3.00, Impact Factor: 4.116, pp. 81-85.

b. National: 02

- **Dr. A. Jawahar Babu, P. Rajani** “Analytic Hierarchy Process (AHP) as a Decision Making Tool for Spouse Selection” (May 2017) Indian journal of decision making, Volume: 17, Issue: 2, Printed ISSN: 2231-0649, Pp: 107-113.
- **Dr. B. Karuna Kumar** (Oct., 2016) “Supply Chain Coordination Models: A Literature Review” Indian Journal of Science and Technology, Vol 9 (38), DOI:10.17485 /ijst/2016 /v9i38/86938, October, 2016.

II. Conferences:

a. International: 10

- **B.V.S.Raghu Vamsi**, Studies on the critical size of the plastic zone in pure mode-I and mixed mode (I/II) fracture, IMME'17, International Conference at NIT Tiruchirapalli, 10-12 March, 2017
- **R. Jithendra Kumar** has presented a paper entitled "Automatic Scissor Jack Using Car Battery" in the Two Days International Conference on Research Trends in Engineering, Applied Science and Management (ICRTE SM-2017) at Modi Institute of Technology, Kota in Association with Conference Info on 18th – 19th March, 2017.
- **Dr.B.Karuna Kumar** has presented a paper entitled "Coordinated Two-Echelon Inventory Model for Optimal Inventory and Shipment Decisions Under Exponential Price Dependent" in the International Conference on Materials, Manufacturing and Modelling at VIT University, Vellore held during 9th – 11th March, 2017.
- **G. Karuna Kumar** has presented a paper entitled "Supplier Selection and Order Allocation in Supply Chain" in the International Conference on Materials, Manufacturing and Modelling at VIT University, Vellore held during 9th – 11th March, 2017.
- **K.Ch. Kishor Kumar, D. Kiran Prasad and B.V.S. Raghu Vamsi** have presented a paper entitled "Finite Element Analysis of An Edge Cracked Plate Subjected to Mixed Mode Loading (I/II) and Combined Tension-Bending a comparative study" in the 5th International Conference on Advanced Computing, Engineering & Technology (ICACET 2017) held in The Solitaire Hotel, Bangalore, India on 17th February, 2017.
- **Sravan Kumar Yadav** has presented a paper entitled "Preparation and characterization of ZA27-Alumina Graphite reinforced hybrid composites" at the 5th International Conference -on Recent Advances in Composite Materials organized by KL University, Vaddeswaram, Guntur Dist., held from 6th – 8th February, 2017.
- **T. Nagaraju** has presented a paper entitled "Effect of Mould Vibrations on Mechanical and Metallurgical Properties of Aluminum 356 Casting" at the First International and Eighteenth National ISME Conference on Mechanical Engineering: Enabling Sustainable Development (ISME-2017) at National Institute of Technology, Warangal, India held from 23rd – 25th January, 2017.
- **B.V.S. Raghuvamsi** has presented a paper entitled "Studies On The Affect Of Stress Triaxiality On Strain Energy Density And Ctod Under Plane Stress Condition Subjected To

Mixed Mode (I/II) Fracture" in 2nd International Conference on Sustainable Computing Techniques in Engineering, Science and Management (SCESM 2017) organized by SN Education Society, India and URGCEE, USA at Jain College of Engineering, Belagavi, India held from 27th – 28th January, 2017.

- **Dr.M.R.Ch.Sastry** and **R. Jithendra Kumar** have presented a paper entitled "Vortex Flow over the flat Plate and Backward Facing Steop" in the International Conference on Emerging Multidisciplinary Research and Computational Intelligence – 2016 organized by Dhumra Mahate Information and Communications Technology Associates and S.R.K.R. Engineering College, Bhimavaram held from 15th – 16th December, 2016.
- **Dr. A.Jawahar Babu** has presented a paper entitled "Implementation of Analytic Hierarchy Process (AHP) as a Decision support Tool for selection of Robot for Spot Welding Operation" at Second International Conference on Recent Advances in Engineering Sciences organized under TEQIP-II at Ramaiah Institute of Technology Belgaum held form 08.09.2016 to 09.09.2016.

b. National: 06

- **T. Siva Krishna** and **Smt. M. Krishna Prasanna** have presented a paper entitled "Design and Optimization of IC Engine based Co-generation System using Integrated Thermal Management Controller" in the Two-Day National Conference on “Recent Advances in Mechanical Engineering” (RAME-2017) at Andhra University College of Engineering (A), Visakhapatnam, supported by TEQIP-II held during 10th – 11th March, 2017.
- **Smt.M.Krishna Prasanna** and **T.Siva Krishna** have presented a paper entitled "Experimental Investigation of Heat Transfer in Plain and Tapered Cylindrical Fins" in the Two-Day National Conference on “Recent Advances in Mechanical Engineering” (RAME-2017) at Andhra University College of Engineering (A), Visakhapatnam, supported by TEQIP-II held during 10th – 11th March, 2017.
- **B. Ramesh Nayak** and **Johnyshiada Shaik** have presented a paper entitled "Design and Optimization of Piston and Determination of its Thermal Stresses using UG & Ansys " in the Two-Day National Conference on “Recent Advances in Mechanical Engineering” (RAME-2017) at Andhra University College of Engineering (A), Visakhapatnam, supported by TEQIP-II held during 10th – 11th March, 2017.
- **P. Murari** has presented a paper entitled "Experimental Investigation on the Effect of Postweld Heat Treatment on the Mechanical Properties of SS304 Weldment Fabricated” in the Two-Day National Conference on “Recent Advances in Mechanical Engineering” (RAME-2017) at Andhra University College of Engineering (A), Visakhapatnam, supported by TEQIP-II held during 10th – 11th March, 2017.
- **Dr. A. Jawahar Babu** has presented a paper entitled "Selection of Bio-Implant Material for Knee Replacement using TOPSIS method" in the National conference on Innovations in Mechanical Engineering (NCIME 16) at Madanapalle Institute of Technology & Science,

Madanapalle, Chittoor Dist held from 21.10.2016 to 22.10.2016, ISBN 978-93-85100-70-3, page nos. 40-44.

- **M. Kamal Tej and K. Kumara Swamy** have presented a paper entitled "Experimental Study on Performance of PCM Based Air-Conditioned Evaporators" in the National Symposium of Mechanical Engineering Research Scholars at National Institute of Technology Warangal held on 07.10.2016.

Academic Year 2015-16

I. Journals:

a. International: 04

- **L. Ramesh P. Srinivasa Rao, K.Ch. Kishor Kumar and D. Kiran Prasad** (January, 2016) "Experimental and Finite Element Model Analysis of an un-cracked and cracked Cantilever beam" International Journal of Advanced Research in Science, Engineering and Technology, Vol. 3, Issue 1, ISSN:2350-0328, Page Nos. 1266-1274.
- **Dr.B.Karuna Kumar** (2016) "Three-echelon supply chain with centralised and decentralised inventory decisions under linear price dependent demand" International Journal Logistics Systems and Management, Vol. 23, No. 2, page Nos. 231-254.
- **B.V.S.Raghuvamsi** (2015) "Mathematical Modeling for CTOD Based M-Criterion For The Determination Of Triaxiality Under Mixed Mode (I/II) Fracture", Academic Journal of Science, ISSN: 2165-6282:: 04(02):17-32.
- **Dr.A.Jawahar Babu** (Aug. 2015) "Quantification of Subjectivity for better Decision making-Role of Mathematics" published in GEC's International Journal of Innovation Technology and Management - ISSN No.2394-594 X - Vol No.2 P.No.66 to 69.

b. National: 02

- **M.R.Ch. Sastry** (Dec. 2015) "Experimental and computational study of fluid flow on a flat plate with three rectangular impinging slot jets" Indian Journal of Engineering & Materials Sciences – ISSN-0975-1017 (Online), 0971-4588 (Print) Vol.22, PP 631-640.
- **P.V. Siva Teja** (July, 2015) "Finite Element Analysis in Drilling GFRP Composites" Indian Journal of Science and Technology, Vol 8(15), 59588, ISSN (Print) : 0974-6846.

II. Conferences:

a. International: 06

- **Dr. A. Jawahar Babu** has presented a paper entitled "Role of Mathematics in Quantification of Subjectivity for better Decision Making" at International conference on Energy, Environment and Engineering at Coimbatore Institute of Technology coimbatore held from 29.02.2016 to 02.03.2016.

- **Dr. B. Karuna Kumar** has presented a paper entitled "Optimality of Inventory Decisions and Total Relevant Costs in a Coordinated Two-Level Supply Chain under Exponential Price Dependent Demand" at International conference on E-Business and Supply Chain Competitiveness (EBSCC 2016), held at the Indian Institute of Technology Kharagpur, February 12-14, 2016.
- **Thella Babu Rao**, A Gopala Krishna, **P Ravindra Babu**, **P.N.S. Srinivas** have presented a paper entitled "3D Elastic-plastic finite element model for three roller tube spinning" Proceedings of International Conference on Computer Aided Engineering (CAE2015), December 10-12, 2015, pp 133-GITAM University, Hyderabad.
- **Thella.Babu Rao**, Konjeti Rama Krishna, A Gopala Krishna, **P.Ravindra Babu** have published a paper entitled "A numerical model to predict the peak temperature during friction stir welding", International Conference on Computer Aided Engineering (CAE2015), December 10-12, 2015, GITAM University, Hyderabad.
- **Thella.Babu Rao**, Naresh Baki, A Gopala Krishna, **P Ravindra Babu**, **Galib Ila** have published a paper entitled "A comparative analysis on cutting tool temperatures of rotary and conventional turning tools", International Conference on Computer Aided Engineering (CAE2015), December 10-12, 2015, GITAM University, Hyderabad.
- **Thella.Babu Rao**, A Gopala Krishna, Yellasiri Priyadarsini, Naresh Baki, have published a paper entitled "Numerical analysis and mathematical modeling of temperature and wear rate through FEM and RSM" International Conference on Computer Aided Engineering (CAE2015), December 10-12, 2015, GITAM University, Hyderabad.

b. National: NIL