

CURRICULUM VITAE



Dr. S. GAJANANA

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PROFESSIONAL SUMMARY:

- Teaching experience in Engineering College : 19 years
- Industrial experience : 1 year
- Experience in NBA process (At GPREC, Kurnool and MVSREC, Hyderabad)
- Experience in establishment of new technical institute (At MVSREC, Hyderabad)
- Currently guiding 8 PhDs
- Reviewer for **European Journal of Operational Research, Elsevier** (ISSN: 0377-2217)
- Reviewer for **International Journal of Engineering Research** (ISSN : 2319-6890)
- Reviewer for **International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME)**
- Reviewer for **International Journal of Operations Research and Information Systems (IJORIS)**
- Reviewer for **International Journal of Research in Mechanical Engineering** (ISSN Print: 2347-8772, ISSN Online: :2347-5188, Impact Factor: 0.8200)
- Reviewer for **International Journal of Research in Manufacturing Technology & Management** (International Academy for Science & Technology Education and Research -IASTER)
- Editorial Board member for **International Journal of Research in Mechanical Engineering** (ISSN Print: 2347-8772, ISSN Online: :2347-5188, Impact Factor: 0.8200)
- Reviewer for **International Journal of Research in Engineering and Technology** (IJRET, e-ISSN 2319-1163 p-ISSN 2321-7308)
- Reviewer for **International Journal of Mechanical Engineering and Robotics Research** (ISSN: 2278-0149)
- Reviewer for **Modern Mechanical Engineering** (Scientific Research Publishing Inc. ISSN Print: 2164-0165 , ISSN Online: 2164-0181)

- Reviewer for **International Conference on Advances in Materials and Manufacturing** organized by Department of Mechanical Engineering, Osmania University, Hyderabad & Defense Research Development Laboratory (DRDL), Hyderabad, December 08-10, 2016
- Reviewer for **International Journal of Applied Industrial Engineering (IJAIE)** (ISSN: 2155-4153, EISSN: 2155-4161)

EDUCATIONAL QUALIFICATIONS:

- Ph.D. in Mechanical Engineering from S.V.University, Tirupathi.(2007)
- Master of Engineering in Production Technology from Karnatak University Dharwad, First class with Distinction.(1999)
- Bachelor’s degree in Technology majoring in Mechanical Engineering from Sri Krishnadevaraya University, Anantapur, First class.(1995)

WORK EXPERIENCE: (Teaching: 19 years, Industry: 1 year)

#1 **September,2017 – Present:** Chief Coordinator(Exam branch)

#2 **February, 2017 – Present:** M.V.S.R Engineering College, Hyderabad, as a Professor in Mechanical Engineering Department

#3 **November, 2015 – February, 2017:** M.V.S.R Engineering College, Hyderabad, as Professor and Director (Student Affairs)

#4 **April, 2014 – November, 2015:** M.V.S.R Engineering College, Hyderabad, as a Professor in Mechanical Engineering Department

#5 **May, 2009 – April, 2014:** M.V.S.R Engineering College, Hyderabad, as Professor & Head of Mechanical Engineering Department

#6 **July, 2008 – May, 2009:** M.V.S.R Engineering College, Hyderabad, as a Professor in Mechanical Engineering Department

#7 **Oct, 2005 – July, 2008:** M.V.S.R Engineering College, Hyderabad, as an Associate Professor in Mechanical Engineering Department

#8 **Dec, 1999 – Sept, 2005:** G. Pulla Reddy Engineering College, Kurnool, and Andhra Pradesh as an Assistant Professor in Mechanical Engineering Department

#9 **Sept, 1996 to Sept, 1997:** Mechanical engineer in ISO 9002 certified Process Industry, Sri Rayalaseema Alkalies and Allied Chemical Ltd., Kurnool

ADDITIONAL RESPONSIBILITIES HELD :

- **Convener “Center for Awareness and Discussion” for 2 year at GPR Engg. College**

The aim of the forum (CAD) is to create awareness among students, encouraging them to participate in debates and group discussion.

RESEARCH GUIDANCE: (Completed)

S. No	Name of the Ph.D. Scholar	University	Title of the Work
3	B.Srinivas Manager, Supply Chain, JDA Software India Ltd, Hyderabad	JNTU, Hyderabad (DoA : 23-10-2012) (DoC :25-5-2018)	Some Studies on Macroeconomic Variable Based Replacement Models using Stochastic Process

RESEARCH GUIDANCE: (On going)

S. No	Name of the Ph.D. Scholar	University	Title of the Work
1	K.Sahadev Sc-F, Control System Unit, RCI Hyderabad.	JNTU, Hyderabad (DoA : 22-8-2011)	Some Studies on Reliability Evaluation of Electro Mechanical Actuators for Missile Application
2	B.Ravikumar, Asst. Professor,MED, MVSR Engg. College, Hyderabad	JNTU, Hyderabad (DoA : 23-10-2012)	Some Studies on Metal Forming: Analysis, Modeling & Optimization of Process Parameters
3	Kishan Banothu Lecturer, JNTUH Hyderabad	JNTU, Hyderabad (DoA : 15-07-2016)	Experimental Investigation & Analysis of Al 6061 as Electrode Material for Electric Discharge Machining Process"
4	B.Suresh Kumar Reddy, Asst. Professor,MED, MVSR Engg. College, Hyderabad	Osmania University, Hyderabad (DoA : 27-1-2018)	Some Studies on Aluminum Alloy (6061 Series) : Analysis of Mechanical Properties, Machinability, Modeling and Optimization of Process Parameters
5	E.Hazya Lecturer, JNTUH Hyderabad	Osmania University, Hyderabad (DoA : 27-1-2018)	Experimental Studies on Sheet Metal Forming of Al 6061 & Optimization of Process Parameters under Impact & Gradual Load Conditions.
6	G.Swamy, RCI	Osmania University, Hyderabad (DoA : 27-1-2018)	An Experimental Study of EDM Process Parameters on Inconel Materials.
7	M Nagarjuna Asst.Prof, Brilliant Institute of Engineering & Technology, Hyderabad	Osmania University, Hyderabad (DoA : 24-2-2018)	Experiments on Remelting & Solidification of Molten Metal Deposited in Mould with Casting Process.

VISITS ABROAD :

Country Visited	Duration of Visit	Purpose of Visit
Kuala Lumpur, Malaysia	9-2-2015 to 15-2-2015	Attended ICMPE 2015: XIII International Conference on Mechanical & Production organized by WASET, presented research paper and chaired a technical session

FUNDED RESEARCH PROJECTS HANDLED:

- Executed UGC Minor Research Project

Title: Some studies on Mechanical Properties and Machinability of Aluminum Alloy (6061 Series)

Proposal No: 1036 (2014-15)

Grant Amount: 5 Lakhs

UGC approval Letter No. and Date: F.No:4-4/2014-15(MRP-SEM/UGC-SERO) dated 19-11-2014 – Proposal Number : 1036

No.F MRP-6167/15(SERO/UGC) Linkno:6167, Comcode: APOS114, 28th Jan 2015

AICTE GRANTS:

- Received Rs 5.2 Lakhs AICTE grants under Modernization and Removal of Obsolescence Scheme (MOROBS) for the year 2011-12 for Metal Cutting and Machine Tools Lab. (Ref.No 8024/RIFD/MOD-179(Pvt)/Policy-III/2011-12)
- Received Rs 2 Lakhs AICTE seminar grants to conduct National Conference on "National Conference on Innovative Trends in Mechanical & Automobile Engineering" for the year 2014-15. (F. No. 7-9/RIFD/SEM/POLICY-2/2014-15) organized on 11-12 February, 2016

SHORT TERM COURSES/WORKSHOPS/SEMINARS ETC. ORGANIZED:

- AICTE sponsored National Conference on "National Conference on Innovative Trends in Mechanical & Automobile Engineering" (11th & 12th February, 2016)
- A National Seminar on "Computational Approaches in Manufacturing Processes" (5th & 6th March, 2013)
- Regional Seminar on "Trends in Renewable Energy Applications & Technologies" (4th February, 2012)
- Organized training programme on Basic Engineering and Management for Management Trainees of MIDHANI, Hyderabad (2010 and 2011)
- A National Workshop on "Rapid Prototyping Technologies" (5th & 6th March, 2010)

TECHNICAL SESSION CHAIR IN NATIONAL & INTERNATIONAL CONFERENCES:

- National Conference on "Advances in Mechanical Engineering (AIM-2013)", organized by Department of Mechanical Engineering, Vasavi College of Engineering, Hyderabad November 7-8, 2013
- ICMPE 2015: XIII International Conference on Mechanical & Production organized by WASET at Kuala Lumpur, Malaysia, February 12-13, 2015.
- International Conference on Advances in Materials and Manufacturing organized by Department of Mechanical Engineering, Osmania University, Hyderabad & Defense Research Development Laboratory (DRDL), Hyderabad, December 08-10, 2016

PAPERS PRESENTED IN NATIONAL CONFERENCES:

1. A paper entitled "*Development of Mathematical Model for Maximum Punch Force in Punching using Design of Experiments*" was presented in a **National conference** organized by JNTU, Anantapur (MINAC-2002, 21-12-2002).
2. A paper entitled "*Forecasting Models for Inflation Prediction Suitable for Developing Societies*" was presented in a **National conference** organized by Kakatiya Institute of Technology & Science, Warangal (TIME-2004, 27-12-2004)

3. A paper entitled "*Lean – A new system of doing business in manufacturing*" was presented in a **National conference** organized by Osmania University, Hyderabad (2005)
4. A paper entitled "*Optimization Of Process Parameters For Hero Honda Exhaust Valve Using Design Of Experiments*" was presented in a **National conference** on Recent Advances in Computer Aided Engineering organized by Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad (RACE'06 , March 3rd & 4th ,2006)
5. A paper entitled "*Vision and Integrated Approach of Supply Chain Management (SCM) System*" was presented in a **National conference** organized by Kakatiya Institute of Technology & Science, Warangal (TIME-2006, December 29th & 30th - 2006)
6. A paper entitled "*Development of Forecasted Inflation Based Group Replacement Model Using Higher Order Markov Chains*" presented in the Second **National Conference** on Management Science & Practice at IIT, Madras during March 9-11, 2007.
7. A paper entitled "*Development Of Mathematical Model for EDM Using Two Factorial Design Of Experiments*" presented at XXIII **National Convention** of Mechanical Engineers and National Seminar on "Emerging Trends In Manufacturing Systems and Technologies" at Institute of Engineers, Hyderabad during September 10-12, 2007
8. J.V.Sudheendra, S.Gajanana, J.Suresh Kumar, A paper entitled "*Design of A Compact High Reduction Gear Train for Rotary Electro Mechanical Actuator of A Missile*", presented in the **National Conference** RAME-2012, University College of Engineering, Osmania University, Hyderabad, March-2012.
9. B.Ravikumar, Dr.S.Gajanana, Dr.K.Hemachandra Reddy, K.Udayani, A paper entitled "*Development Of Mathematical Model For Forming Force In Metal Spinning Of Al2024-T3*" presented in the **National Conference** on "EMERGING TRENDS IN MECHANICAL ENGINEERING (ETIME 2014) organized by Dept. of Mechanical Engineering, Osmania University, Hyderabad during 29-30 December, 2014.
10. Dr S. Gajanana, M.Malla Reddy, E. Hazya, V. Raviteja, "*Multi-level cavity forming analysis using Fluid forming technique*" presented in **AICTE sponsored National Conference** on Innovative Trends in Mechanical & Automobile Engineering (ITMAE – 2016) organized by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad on 11-12 February, 2016
11. Dr S. Gajanana, A. Chandrakanth, B. Kshetramohan, B.Ravikumar, "*Experimental Investigation of Process Parameters Of Submerged Wire EDM for Machining High Speed Steel*" presented in **AICTE sponsored National Conference** on Innovative Trends in Mechanical & Automobile Engineering (ITMAE – 2016) organized by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad on 11-12 February, 2016
12. Dr. S. Gajanana, J.Sita Priya Darsini, Dr.G.Venkata Subbaiah, K.Vikram Aditya, "*Computational Analysis and Optimization of Blowing Ratio for Effective Film Cooling of a Gas Turbine Blade*" presented in **AICTE sponsored National Conference** on Innovative Trends in Mechanical & Automobile Engineering (ITMAE – 2016) organized by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad on 11-12 February, 2016
13. Dr. S. Gajanana, B. Suresh Kumar Reddy, A. Chandrakanth, "*Macro-Economic Variable Base Inventory Control Model for Perishable Items*" presented in **AICTE sponsored National Conference** on Innovative Trends in Mechanical & Automobile Engineering (ITMAE – 2016) organized by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad on 11-12 February, 2016
14. B. Srinivas, Dr. S. Gajanana, Dr. K. Hemachandra Reddy, "*Exponential Trend Running Cost Replacement Model with Linear Trend Salvage and Predicted Inflation*" presented in **National Conference** on Recent Trends in Mechanical Engineering (NCRTME-2018) organized by Department of Mechanical Engineering, JNTUH College of Engineering Hyderabad on 26-27 February 2018.

15. Dr.S.Gajanana, B. Ravikumar, G.Rahul Teja, V.Soujanya, "Experimental Analysis of Surface Roughness on End Milling Process for Al 7178 using Taguchi Approach" presented in **National Conference** on Recent Trends in Mechanical Engineering (NCRTME-2018) organized by Department of Mechanical Engineering, JNTUH College of Engineering Hyderabad on 26-27 February 2018.

PAPERS PRESENTED INTERNATIONAL CONFERENCES:

16. A paper entitled " Prediction of Inflation using Fore casting Techniques for Developing Societies" **International conference** on Operations Research Applications in Infrastructure Development (ICORAID-2005), IISc, Bangalore
17. A paper entitled "Group Replacement Model Using Higher Order Markov Chains" presented in **International Conference** on Statistical Science, OR & IT in conjunction with the XXVI Annual Convention of Indian Society for Probability and Statistics 7-9 January, 2007
18. A paper entitled "Mathematical Model For Deformation In Water Hammer Forming Using Two Factorial Design Of Experiments" presented At **International Conference** On Operations Research For A Growing Nation in Conjunction With the 41st Annual Convention of ORSI, Tirupati during December 15 - 17, 2008
19. A paper entitled "Mathematical Model for Domestic Refrigerator using Two Factorial of Experiments" presented in the **International Conference** on Statistics, Probability, Operations Research, Computer Science and Allied Areas in Conjunction with 8th IISA joint Statistical meeting and 29th annual Convention of ISPS held at Visakhapatnam, INDIA from 4th to 8th , January 2010
20. Srinivas Rao.N, U S Gupta, Anand Rao.A, Gajanana S., Parameshwar K, A paper entitled "Analysis of Machining parameters based on statistically designed Experiment for Turning of Nickel based Super Alloys" presented in the **International Conference** Advances in Manufacturing Technology - ICAMT 2012 organized by Chennai Institute of Technology in association with ACMEE on 15th - 17th June 2012.
21. B.Ravikumar, Dr.S.Gajanana, Dr.K.Hemachandra Reddy, K.Udayani, A paper entitled "Modeling, Analysis and Optimization of Process Parameters of Metal Spinning" presented in ICMPE 2015: XIII **International Conference** on Mechanical & Production organized by WASET at Kuala Lumpur, Malaysia, February 12-13, 2015.
22. Dr S. Gajanana, B. Suresh Kumar Reddy, T. Shivendra Lohit, K. Anil Kumar Reddy, Ankur Jain " Optimization of Induction Hardening Process using Response Surface Methodology" presented in the **International Conference** on International corrosion prevention Symposium for Research Scholars (CORSYM 2015) organized by IITM Chennai, India on 31st July - 1st August 2015.
23. Dr. S. Gajanana, A. Chandrakanth, V. Neeharika, "Effect Of Wire EDM Process Parameters on Surface Finish For Machining High Speed Steel" presented in **International Conference** on "Evolutions in Manufacturing: Technologies and Business Strategies for Global Competitiveness" November 12-13, 2016, Organised by The Institution of Engineers (India),Jharkhand State Centre ,Under the Aegis of Production Engineering Division Board, IEI In Association with Department Of Production Engineering, Birla Institute of Technology, Mesra, Ranchi, India In Collaboration with Northern Heavy Industries Group Co., Ltd. ("NHI"), China
24. B.Ravikumar, Dr.S.Gajanana, Dr.K.Hemachandra Reddy, "Development of Mathematical Model for Spinning Force using Double Radii Tool" **International Conference** on Advances in Materials and Manufacturing organized by Department of Mechanical Engineering, Osmania University, Hyderabad & Defense Research Development Laboratory (DRDL), Hyderabad, December 08-10, 2016.
25. B.Kishan, Dr.B.Sudheer Premkumar, Dr.S.Gajanana, Dr.K.Buchaiah, M.A. Gaffar, "Development of Mathematical Model for Metal Removal Rate on EDM using Copper & Brass Electrodes" **International Conference** on Material Processing Characterization ICMPC-2017 by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, March 17-19,2017. Materials Today: Proceedings 5 (2018) 4345-4352

PAPERS PUBLISHED IN NATIONAL JOURNALS:

1. A paper entitled "Development of Mathematical Model for Inflation Prediction using Forecasting Technique" is published in **Industrial Engineering Journal**, Vol. XXXV NO.5, May-2006, P-28 to 31.
2. A paper entitled "Development Of Replacement Model Using Predicted Inflation" is published in **Indian Journal of Mathematics and Mathematical Sciences**, Vol2, No.2, Dec-2006, p- 147-152.
3. A paper entitled "Development of Co-Ordinate Retrieval System in CAD For Satellite Component by Shear Forming Process" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol 12, No.3, March 2013.
4. A paper entitled "Development of Model for Deformation in Water Hammer Forming Process" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol 12, No.4, April 2013.
5. A paper entitled "Optimization of process parameters of end milling process using factorial design of experiments" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol 12, No.6, June 2013.
6. Dr.S.Gajanana, B.Suresh Kumar Reddy, A. Krishnaiah, "Development of Regression Model using Lasso for End Milling on Al6061 Alloy" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol 16, No.9, September 2017.
7. Dr.S.Gajanana, B.Suresh Kumar Reddy, A. Krishnaiah, "Casting and Metallurgical Analysis Of Aluminium-6061" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol. 17, No. 02, February 2018.
8. Dr. Gajanana S, Ravikumar B, Nikhil Kumar D, Krishna Reddy M "Experimental Investigation And Simulation Of Hot Rolling Of Al6061" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol. 17, No. 08, August 2018.
9. Dr S Gajanana, Ravikumar B , K Hemachandra Reddy "A Review On Simulation Of Multi Pass Spinning Process" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol. 17, No. 08, August 2018.
10. Dr S Gajanana, Ravikumar B , K Hemachandra Reddy, Rahul Teja G "Development Of Regression Model For Spinning Force Using Parabolic Mandrel" is published in **Manufacturing Technology Today** (ISSN 0972-7396), Vol. 17, No. 08, August 2018.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS:

11. A paper entitled "Development of Satellite Component Through Flow Forming Process" is published in **International Journal of Multidisp. Research & Advcs. In Engg.(IJMRE)**, ISSN 0975-7074, Vol.3, No.IV(October 2011), pp.271-284
12. B. Srinivas, Dr. S. Gajanana, Dr. K. Hemachandra Reddy, B. Ravi Kumar "Optimum Replacement Period for Motor Vehicle considering Macroeconomic Parameters" is published in **International Journal of Engineering Research** (ISSN : 2319-6890) Volume No.2, Issue No. 4, pp : 290-293 01 Aug. 2013.
13. B. Srinivas¹, Dr.S.Gajanana, Dr.K.Hemachandra Reddy, "Forecasted Inflation Based Block Replacement Model Using Stochastic Process" is published in **International Journal of Applied Mechanics and Materials** Vols. 592-594 (2014) pp 2716-2722, Online available since 2014/Jul/15 at www.scientific.net, (2014) Trans Tech Publications, Switzerland
14. Dr.S.Gajanana, BK Mohan, M Sankeerthan, G V Aswin Reddy, "Optimization of Process Parameters, Micro Structural and Thermal Analysis for Hero Honda Exhaust Valve" is published in **International Journal of Research in Mechanical Engineering(IJRME)**, Volume-2 Issue-4 July-August 2014, ISSN Online: 2347-5188
15. Dr. S. Gajanana, B. Ravi Kumar, P. Ravi Tej, K. Udayani, "Simulation of Cutting Forces in End Milling and Optimization of Machining Parameters" is published in **International Journal of Engineering and Technology Research(IJETR)**, Volume-2 Issue-6 Nov.-Dec.2014, ISSN Online: 2347-4904

16. Dr.S.Gajanana, Dr.K.Hemananchandra Reddy, B. Srinivas, "*Replacement model with linear trend running cost and forecasted inflation*" is published in **International Journal of Scientific Engineering and Research(IJSER)** Vol 3, Issue 5, May 2015, ISSN Online: 2437-3878
17. Dr.S.Gajanana, Dr.K.Hemananchandra Reddy, B. Srinivas, "*Quadratic Trend Running Cost Replacement Model with Linear Trend Salvage and Predicted Inflation*" is published in **International Journal of Emerging Trends in Science and Technology (IJETST)** Vol.02, Issue 6, Pages 2584-2588, June 2015, ISSN 2348-9480
18. Dr. S. Gajanana, Kulkarni Rahul, Shreyas Gampa, Tharun Vempati, JV Srinath, "*Production & Process Optimization of Micro Alloyed Steel Roller Shaft of an Under Carriage*" is published in **International Journal of Engineering Research(IJER)** Vol.No.4, Issue No.7, pp: 363-367, ISSN: 2319-6890(online), 01 July 2015.
19. Dr S. Gajanana, B. Suresh Kumar Reddy, T. Shivendra Lohit, K. Anil Kumar Reddy, Ankur Jain, "*Induction Hardening and Microstructure Analysis of Micro-Alloyed Steel Roller Shaft of an Undercarriage*" is published in **International Journal of Engineering Research(IJER)** Volume No.4, Issue No.7, pp : 358-362, ISSN: 2319-6890(online), 01 July 2015.
20. Dr. S. Gajanana, B. Kshetra Mohan, K. Mogulanna, "*Experimental Studies on Ballistic Performance of Glass Laminates*" is published in **IJSRD - International Journal for Scientific Research & Development**, Vol. 3, Issue 05, 2015,Pages 1311-1315,ISSN (online): 2321-0613
21. A. Chandrakanth, Dr.S. Gajanana,B. Suresh Kumar Reddy, "*Macro Economic Variable Base Inventory Control Model for Perishable Items*" is published in **International Journal of Engineering Research (IJER)** Volume No.5 Issue: Special 2, pp: 359-361, ISSN:2319-6890(online),2347-5013(print) 11-12 Feb. 2016
22. E. Hazya, Dr.S.Gajanana, M. Mallareddy, V.Raviteja, "*Multi-Level Cavity Forming Analysis Using Fluid Forming Technique*" is published in **International Journal of Engineering Research (IJER)** Volume No.5 Issue: Special 2, pp: 398-402, ISSN:2319-6890(online),2347-5013(print) 11-12 Feb. 2016.
23. A. Chandrakanth, Dr. S. Gajanana, B. Kshetramohan, "*Experimental Investigation of Process Parameters of Submerged Wire EDM for Machining High Speed Steel*" is published in **International Journal of Engineering Research (IJER)** Volume No.5 Issue: Special 2, pp: 427-431, ISSN:2319-6890(online),2347-5013(print) 11-12 Feb. 2016.
24. J.Sita Priya Darsini, Dr. S. Gajanana, Dr. G. Venkata Subbaiah, K.Vikram Aditya "*Computational Analysis and Optimization of Blowing Ratio for Effective Film Cooling of a Gas Turbine Blade*" is published in **International Journal of Engineering Research (IJER)** Volume No.5 Issue: Special 2, pp: 486-490, ISSN:2319-6890(online),2347-5013(print) 11-12 Feb. 2016.
25. P. Ravi Tej, K. Udayani, Dr. S. Gajanana, "*Investigation of Mechanical Properties & Characterization of Super Hard Alloys*" is published in **International Journal of Research in Mechanical Engineering**, Volume 4, Issue 4, July-August, 2016, pp. 18-22 ISSN Online: 2347-5188 Print: 2347-8772, DOA: 14072016
26. Dr. S. Gajanana, Dr.D.Chakradhar, N. Sai Alok Reddy, "*Optimization of Process Parameters in Hot Machining of 15-5 PH Stainless Steel Using Taguchi Method*" is published in **International Journal of Engineering Science Invention Research & Development**; Vol. III, Issue III, September 2016(e-ISSN : 2349-6185)
27. Dr. S. Gajanana, B. S. Naveen Benadict, N. Sai Alok Reddy, "*Development Of Linear Model For Liquid Hammer Forming Using Design Of Experiments*" is published in **International Journal of Engineering Applied Sciences and Technology, 2016**; Vol. 1, Issue 11, ISSN No. 2455-2143, Pages 54-57
28. Dr.S.Gajanana, Dr.K.Hemananchandra Reddy, B. Srinivas, "*Higher Order HMM Based Group Replacement Model Considering Macroeconomic Variable*" is published in **International Journal of Engineering Research And Management (IJERM)** ISSN: 2349- 2058, Volume-03, Issue-09, September 2016
29. Dr.S.Gajanana, K. Buschaiah, A. Chandrakanth,"*Experimental Investigation Of Metal*

- Removal Rate On EDM For Variable Tool Materials*” **International Journal Of Engineering Sciences & Research Technology (IJESRT)** ISSN: 2277-9655, Impact Factor: 4.116, Vol. 5 Issue 12 - December, 2016
30. Dr.S.Gajanana, B.Suresh Kumar Reddy, A. Krishnaiah, “*Linear Model for Turning Al6061 using Least Absolute Shrinkage and Selection Operator (Lasso)*” **International Journal of Engineering Science Invention(IJESI)** ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 ISSN: 2277-9655, Impact Factor: 3.962, Vol. 6 Issue 7 - July, 2017
31. B. Ravi Kumar, Dr. S. Gajanana, K. Hemachandra Reddy, M. Krishna Reddy, “Development of Regression Model Using Lasso And Optimisation of Process Parameters in Metal Spinning” **International Journal of Engineering Research and Development (IJERD)** ISSN (Online): 2278-067X, ISSN (Print): 2278-800X, Impact Factor: 1.458, Vol. 13 Issue 8 – August, 2017
32. Dr.S.Gajanana, B.Suresh Kumar Reddy, A. Krishnaiah, “Machinability Study of Aluminium 6061 Alloy on End Milling Process” **International Journal of Engineering Research (IJER)** ISSN (Online): 2319-6890, ISSN (Print): 2347-5013, Impact Factor: 3.851, Vol. 6, Issue 8 – August, 2017
33. Dr.S.Gajanana, B.Suresh Kumar Reddy, A. Krishnaiah, “Analysis of Machinability on Al6061 using Single Point Cutting Tool” **International Journal of Scientific Engineering and Technology (IJSET)** ISSN (Online): 2271-1581, Impact Factor: 3.851, Vol. 6, Issue 8 – August, 2017

BOOKS REVIEWED:

- Reviewed manuscript titled : **Operations research.**
- Publisher : **Universities Press India Pvt. Ltd**
- Month & Year : **June-2016**

GUEST LECTURES DELIVERED:

1. Delivered guest lecture on “*Application of Statistical Methods in Engineering for Optimization of Parameters*” on 23/1/2009 at MVSR Engineering College, organized by ISTE Chapter, MVSR Engineering College, Hyderabad.
2. Delivered guest lecture on “An Approach to UG Project Work in Mechanical Engineering” on 19-7-2014 organized by Department of Mechanical Engineering, Spoorthy Engineering College.
3. Delivered guest lecture on “An Approach to UG Project Work in Mechanical Engineering” on 06-8-2014 organized by Department of Mechanical Engineering, Dhruva Engineering College.
4. Delivered guest lecture on “An Approach to UG Project Work in Mechanical Engineering” on 04-8-2015 organized by Department of Mechanical Engineering, Vijaya Krishna Institute of Technology and Sciences.
5. Delivered guest lecture on “Course Handling & Teaching Skills” on 17/10/2015 at MVSR Engineering College, organized by Dept. of Mechanical Engineering.

WORKSHOPS ATTENDED:

- 1 A National Workshop on “*Patent Awareness & Intellectual Property Rights*” on 19th, March 2004 at G.Pulla Reddy Engineering College, Kurnool.
- 2 AICTE_ISTE sponsored short-term training programme (workshop) on “Recent Trends in Press Tool Design and Die Casting Techniques”, held during 31st March to 5th April, 2003, was organized by the Dept. of Mechanical Engg. and Production Engg. Of Amrita Institute of technology, Coimbatore.
- 3 Production Engineering Division, Dept. of Mechanical Sciences of Karunya Institute of Technology, Coimbatore has conducted the 2-day workshop on “ Solid Modeling using Pro/E 2001” on Nov-30 and Dec-1, 2002.

- 4 A National Workshop on "Biodiesel – The Future Fuel" on 20th, Nov-2004 at G.Pulla Reddy Engineering College, Kurnool.
- 5 A two-day National Workshop on "Trends in CNC Machining (TCNCM05)" on 19th & 20th, Aug-2005 at JNTU College of Engineering, Anantapur.
- 6 A two-day Workshop on "Supply Chain Management" on 29th & 30th, July-2005 at Sri Venkateswara College of Engineering & Technology, Chittoor.
- 7 One Day Programme on " Learnability – insights" organized by Wipro Limited, Hyderabad on 5th Feb 2009.
- 8 A National Workshop on "Outcome based Education & Accreditation" on 18th, December 2016 at Osmania University, Hyderabad in association with NBA, New Delhi.
- 9 Three Day workshop on " Quality Initiatives in Outcome Based Technical Education" organized jointly by IEEE Hyderabad Section & Matrusri Engineering College, Hyderabad during 1st – 3rd September 2016.

FACULTY DEVELOPMENT PROGRAMME UNDERGONE:

- G. Pulla Reddy Engineering College, Kurnool, in association with National Institute of Technical Teachers Training & Research, Chennai has conducted faculty training programme on "Methods of Improving Teaching Skills" from 16th to 18th , March 2004.
- Department of Mechanical Engineering, MVSR Engineering college has conducted faculty development programme on " Recent Trends in Mechanical & Industrial Engineering" from 11th to 15th , December, 2017.

TECHNICAL TRAINING UNDERGONE:

- MTAB-DENFORD TECHNOLOGY CENTRE, Chennai has conducted 6 days training programme (10-3-2003 to 15-3-2003) on the CAM software, Mastercam V9, ESPRIT, CNC Tutors (Lathe and Mill).
- MTAB-DENFORD TECHNOLOGY CENTRE, Chennai has conducted one week training programme on FMS at MVSR Engg. College.

PROFESSIONAL MEMBERSHIPS:

- Fellow of "Institution of Engineers (India)" (F-119156-6)
- Life member of "Indian Society for Technical Education" (MISTE - LM 32596)
- Senior member of "Indian Institute of Industrial Engineering" (SMIE 10130-(95))
- Life member of Operational Research Society of India – ORSI (1095/S/14/ML)
- Member of International Association of Engineers (IAENG – 100899)

PERSONAL DETAILS:

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