

Dr.Govindarao Potnuru

Phone: 9885935940&7093107229**Email:** govind09.p@gmail.com

Education: M.Tech., Ph.D. (Mechanical Engineering)

Experience: 22 years (Teaching)

Ratified Professor from JNTUK, Kakinada

Teaching Awards: 3, Books Published: 01(One)

Ph.D. Scholars Guided and Awarded: 02(Two)

Patents:1 | Journal Publications:55(38-SCOPUS(23-Non-Paid),9-Web of Science) |

Conference Publications: 10

Google Scholar Citations: 535(h-index-15) | Scopus Citations: 166(h-index-7)



OBJECTIVE

To work with a reputed institution as a **Principal**, that will provide me a good platform to utilize my teaching, research & administration skills and will help the growth of institution and my career.

EDUCATION

INSTITUTION

Ph.D. (Design & Manufacturing, May 2017)

JNTUK, Kakinada

M.Tech. (Machine Design, 72.84%, Oct. 2005)

JNTUK, Kakinada

B.E. (Mechanical Engineering, 66.06%, April 2001)

SRKR Engineering College (A.U)

D.M.E (75%, April 1997)

Govt. Polytechnic, Srikakulam

SSC (67.33%, March 1993)

Govt. Jr. College, Priyagraharam

EXPERIENCE

DURATION(22 YEARS)

Principal, Avanthi's Research and Technological

11/03/2020 to till date

Academy , Rawada, Bhogapuram, India

Principal, Swamy Vivekananda Engineering College, 18/05/2018 to 29/02/2020

Bobbili, Andhra Pradesh, India

(2 Years)

Professor, GMR Institute of Technology,

01/08/2017 to 18/05/2018

Rajam, Andhra Pradesh, India

(1 Years)

Associate Professor, GMR Institute of Technology,

30/04/2008 to 31/07/2017

Rajam, Andhra Pradesh, India

(9 Years & 3 Months)

Associate Professor, TPIST, Bobbili

01/07/2006 to 29/04/2008

(1 Year & 9 Months)

Assistant Professor, TPIST, Bobbili

01/07/2001 to 30/06/2006

(5 Years & 3 Months)

DETAILS OF DOCTOR OF PHILOSOPHY-AWARDED

Title of the Ph.D. Thesis: Development of Vibratory Welding System for Improving Mechanical Properties of Weldments

Research Area: Vibratory Welding (Design & Manufacturing)

Name of the Supervisor: Dr. P. Srinivasa Rao, Dean (R&D), Centurion University, Odisha

Name of the Co-Supervisor: Dr. A. Gopala Krishna, Director (R&D), JNTUK, Kakinada, A.P

AWARDS, ACHIEVEMENTS-EFFECTIVE TEACHING YEAR

<i>Received Certificate of Appreciation at GMRIT</i>	<i>2008 to 2009</i>
<i>Received Certificate of Appreciation at GMRIT</i>	<i>2011 to 2012</i>
<i>Received Certificate of Appreciation at GMRIT</i>	<i>2014 to 2015</i>
<i>Delivered Video Lecture for Engineering Mechanics</i>	<i>2016 to 2017</i>
<i>Secured 162 rank in Engineering Common Entrance Test (Govt. of AP)</i>	<i>1997</i>

NUMBER OF SCHOLARS AWARDED

Ph.D. Scholars Guided and Awarded: 02(Two)

1. Name of the Ph.D. Scholar Awarded: Dr. B.Venkata Suresh

Name of the University: Centurion University, Odisha

Title of the Ph.D. Thesis: Development of Mechanical Vibration System to Influence the Metallurgical and Mechanical Properties of Mild Steel 1018 welded Joints

2. Name of the Ph.D. Scholar Awarded: Dr. Kalpana Jami

Name of the University: Centurion University, Odisha

Title of the Ph.D. Thesis: Improvement of Mechanical Properties of Dissimilar weldments Produced under the Influence of Mechanical Vibrations

PUBLICATIONS

<i>Patents</i>	<i>1(Published)</i>
<i>Journals</i>	<i>54(Published)</i>
<i>Conferences</i>	<i>9(Published in Conference Proceedings) +1(Communicated)</i>

AREAS OF INTEREST

- > Vibratory Welding*
- > Finite Element Analysis*
- > Engineering Mechanics*
- > Mechanics of Solids*
- > Dynamics of Machinery*
- > Kinematics of Machinery*
- > Engineering Optimization*
- > Fluid Mechanics & Hydraulic Machinery*

EDITORIAL BOARD MEMBER- JOURNALS

+ International Journal of Measurement Technologies and Instrumentation Engineering

INVITED REVIEWER (SCI, ESCI & SCOPUS- JOURNALS)

- + Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture (SCI & SCOPUS)*
- + International Journal of Manufacturing, Materials and Mechanical Engineering(ESCI & SCOPUS)*
- + International Journal of Engineering (SCOPUS)*
- + World Journal of Engineering (SCOPUS)*
- + Indian Journal of Science and Technology (SCOPUS)*
- + Transactions of the Indian Institute of Metals (SCI & SCOPUS)*
- + ASTM Journal of Testing and Evaluation(SCI & SCOPUS)*
- + International Journal of Intelligent Unmanned Systems (SCOPUS)*
- + International Journal of Chemistry and Materials Research*

RESEARCHER-IDENTITY

Google Scholar

[Dr.](#)

[P.GovindaRaohttps://scholar.google.co.in/citations?user=g54c5JAAAAAJ&hl=en](https://scholar.google.co.in/citations?user=g54c5JAAAAAJ&hl=en)

Scopus Author ID

<https://www.scopus.com/authid/detail.uri?authorId=25225288200>

PROFESSIONAL MEMBERSHIPS

181180	IAENG (International Association of Engineers)
20170123001	SAISE(South Asia Institute of Science and Engineering)
1973487	ASTM(American Society for Testing and Materials)
201701240001	SCIEI(Science and Engineering Institute)

ACADEMIC CAREER CITATIONS

- + **Central Exam Section** Coordinator at GMRIT, Rajam from 2014 to 2015
- + Departmental polytechnic coordinator at GMRIT, Rajam from 2009 to 2013
- + **Departmental Time table coordinator** at GMRIT, Rajam from 2008 to 2010
- + **Departmental Exam section Coordinator** at GMRIT, Rajam from 2008 to 2011
- + Acted as **Head of the Department** for Mechanical Engineering at TPIST, Bobbili from 2004 to 2008
- + Acted as **Departmental criterio-3** coordinator for NBA
- + Acted as **Departmental NBA** and **Autonomous** coordinator
- + Acted as **Judge** for “paper and poster presentation” for ASPIRE-2018 at AITAM, Tekkali on 23rd February 2018.
- + **Resource person** for delivering a lecture on “Importance of Mathematics in Engineering” on 31st January 2013 at GMRIT, Rajam.

TEACHING SKILL MATRIX

Batch	Subject	Feedback out of 6 Point Scale	Academic Year	Percentage of Pass
IV B.Tech	FEM	5.01	2008-09	85%
II B.Tech	FM&HM	5.10	2008-09	94%
IV B.Tech	OT	5.36	2008-09	96%
III B.Tech	DOM	4.64	2009-10	92%
IV B.Tech	FEM	4.79	2009-10	86%
II B.Tech	MOS	5.00	2009-10	89%
II B.Tech	FM&HM	5.46	2010-11	95%
IV B.Tech	FEM	4.37	2011-12	85%
II B.Tech	FM&HM	5.16	2011-12	90%
II B.Tech	KOM	4.85	2011-12	90%
IV B.Tech	OT	5.26	2011-12	95%
III B.Tech	FEM	4.45	2012-13	88%
IV B.Tech	FEM	4.84	2012-13	85%
II B.Tech	KOM	4.85	2012-13	90%

I B.Tech	EME	5.01	2012-13	90%
I B.Tech	EME	4.35	2012-13	89%
I B.Tech	EME	5.22	2013-14	85%
III B.Tech	DMM-I	4.64	2013-14	85%
IV B.Tech	AOT	4.48	2013-14	95%
III B.Tech	DOM	5.00	2014-15	85%
IV B.Tech	AOT	4.29	2014-15	81%
III B.Tech	DOM	5.45	2015-16	90%
I B.Tech	EME	4.60	2015-16	91%
II B.Tech	KOM	5.32	2015-16	98%
I B.Tech	EME	4.31	2015-16	96%
III B.Tech	DOM	5.39	2016-17	97%
I B.Tech	EM	5.23	2016-17	97%
I B.Tech	EM	5.32	2016-17	85%
I B.Tech	EM	5.34	2017-18	85%
I B.Tech	EM	5.45	2017-18	86%

PUBLICATIONS' DETAILS

Patents:

1. **P.GovindaRao**, P.SrinivasaRao and A.Gopala Krishna, "Vibratory Assisted Welding System" Published in Official Journal of the Patent Office, Chennai, Journal Issue No. 46/ 4th NOV. 2016, Journal Page No. 72445, Application No: 201641029625.

Books Published:

1. A book published on "Vibratory Assisted Welding" in Amazon Kindle Direct publishing on 11th November 2020.

Journal Publications:

1. **P.GovindaRao**, P.SrinivasaRao and A.Gopala Krishna, "Mechanical Properties Improvement of Weldments Using Vibratory Welding System", Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture (JOEM), Vol. 229, issue 5, May 2015, pp. 776-784.(SAGE Publications, Indexed by **SCI and SCOPUS(Non-Paid)**with Impact factor :**1.366,Web of Science, Thomson Reuters**).
2. **P.GovindaRao**, P.SrinivasaRao and A.Gopala Krishna, "A Smart Prediction Tool for Estimating Impact Strength of Welded Joints Prepared by Vibratory Welding Process". Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Vol. 231, issue 2, March 2017, pp. 343-346. (SAGE

Publications, Indexed by **SCI and SCOPUS(Non-Paid)** with Impact factor: **1.448,Web of Science, Thomson Reuters**).

3. **P.GovindaRao,P.SrinivasaRao and A.Gopala Krishna**, “Evaluation of Bending Strength of the Vibratory Welded Joint Using Regression Technique”, International Journal of Offshore and Polar Engineering, Vol. 25, issue 3, September 2015, pp. 227–230.(Indexed by **SCIE and SCOPUS(Non-Paid)**with Impact factor :0.341,**Web of Science, Thomson Reuters**).
4. **P.GovindaRao,P.SrinivasaRao and A.Gopala Krishna**, “Flexural strength Improvement of Welded Joints prepared by Vibratory Welding Process”, International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME),Vol. 5,issue 4,pp.1-16, October-December 2015.(IGI Global journals, indexed by **ESCI and SCOPUS(Non-Paid)**, **Web of Science, Thomson Reuters**).
5. **P.GovindaRao and P.SrinivasaRao**, “Development of a prediction tool for tensile strength of the welded joints prepared by vibratory welding process”, Materials Focus Vol. 6, Issue 3, pp. 319–324, 2017(Indexed by **ESCI, Web of Science(Non-Paid)**, **Thomson Reuters**).
6. **P.GovindaRao,P.SrinivasaRao and A.Gopala Krishna**, “Impact strength Improvement of Butt Welded joints prepared by Vibratory Welding Process”, Journal of Manufacturing Technology Research (JMTR), Vol.6:3-4, pp. 143-151.(Indexed by **SCOPUS(Non-Paid)**).
7. **P.GovindaRao,P.SrinivasaRao and A.Gopala Krishna**, “Review on residual stresses in welded joints prepared under the influence of mechanical vibrations”, Journal of Manufacturing Technology Research(JMTR),Vol.6:1-2,pp. 33-40.(Indexed by **SCOPUS(Non-Paid)**).
8. **P.GovindaRao, V. Jagadeesh, K. Santarao and V. Chittibabu**, “Performance of Solar Power Refrigerator using different Materials: A Comparison, International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME)”, Vol. 7, Issue 1, pp. 52-66, January-March 2017. (IGI Global journals, indexed by **ESCI and SCOPUS(Non-Paid)**, **Web of Science, Thomson Reuters**).
9. **P.GovindaRao,P.SrinivasaRao, BBVL Deepak**, “GRNN-Immune Based Strategy for Estimating and Optimizing the Vibratory Assisted Welding Parameters to Produce Quality Welded Joints”, Engineering Journal , Vol. 21, Issue 3, pp. 251-267, 2017(**ESCI and SCOPUS(Non-Paid)**, **Web of Science, Thomson Reuters**).
10. **P.GovindaRao, P. SrinivasaRao, A.Gopala Krishna, C.V.Sriram**, “Improvement of Tensile strength of a Butt welded joints prepared by Vibratory welding process”, International Journal of Mechanical Engineering and Technology, Vol 4, issue 2,july-aug 2013, pp. 53-61.

11. **P.GovindaRao**, CLVRSV Prasad, D.Sriramulu, V.Chittibabu, M.VykuntaRao, "Determination of Residual Stresses of Welded Joints Prepared under the Influence of Mechanical Vibrations by Hole Drilling Method and compared by Finite Element Analysis", International Journal of Mechanical Engineering and Technology, Vol 4, issue 2, may-june 2013, pp. 542-553.
12. **P.GovindaRao**, P.SrinivasaRao, A.Gopala Krishna , and Sarkar M.M.M, "Affect of vibratory welding process to improve the Mechanical properties of Butt welded Joint" International Journal of modern Engineering Research (IJMER), Vol 2, Issue 4, July-Aug 2012 pp.2766-2770 (Indexed by **DOAJ**).
13. **P.GovindaRao**, CLVRSV Prasad, S.V.Ramana and D.Sreeramulu "Development of GRNN Based Tool For Hardness Measurement of Homogeneous Welded Joint Under Vibratory Weld Condition", International Journal of Advanced Research in Engineering and Technology, Volume 4, Issue 4, May – June 2013, pp. 50-59 (Indexed by **DOAJ**).
14. J.Kalpana, P.SrinivasaRao and **P.GovindaRao**, "Influence of Amplitude on the Tensile Strength of Welded Joints fabricated under Vibratory Weld Conditioning", Journal of Mechanical Engineering Research and Developments, Vol. 39, issue 3, pp. 757-762. 2016. (Indexed by **SCOPUS(Non-Paid)**).
15. J. Kalpana, P.SrinivasaRao and **P.GovindaRao**, "Effect of frequency on impact strength of dissimilar weldments produced with vibration", International Journal of Chemical Sciences, Vol. 14, Issue 3, pp. 1797-1804, 2016 (Indexed by **SCOPUS**).
16. J.Kalpana, P.SrinivasaRao and **P.GovindaRao**, "Investigation of acceleration effect on the flexural strength of vibratory dissimilar welded joints, Materials Focus, Vol. 6, Issue 2, pp. 107-113, 2017 (Indexed by **ESCI, Web of Science(Non-Paid), Thomson Reuters**).
17. J. Kalpana, P.SrinivasaRao and **P.GovindaRao**, "Effect of vibratory welding process on hardness of dissimilar welded joints", Engineering Solid Mechanics, Vol. 5, Issue 2, pp. 133-138, Growing Science Publishers (Indexed by **SCOPUS(Non-Paid)**).
18. J. Kalpana, P.SrinivasaRao and **P.GovindaRao**, "Mechanical properties enhancement in dissimilar weldments fabricated under vibratory weld conditioning", Advanced Science, Engineering and Medicine, Vol. 9, Issue 6, 493-498, 2017 (Indexed by **SCOPUS(Non-Paid)**).
19. J. Kalpana, P.SrinivasaRao and **P.GovindaRao**, "A review on techniques for improving mechanical properties of fusion welded joints: A Review", Engineering Solid Mechanics, Vol. 5, Issue 4, pp. 213-224, Growing Science Publishers (Indexed by **SCOPUS(Non-Paid)**).

20. M.VykuntaRao, P.SrinivasaRao and **P.GovindaRao**, "Effect of Vibratory Weld Conditioning on Residual Stresses and Weld Joint Properties: A Review", Journal of Manufacturing Technology Research, Volume 8, Issue 1-2 (Indexed by **SCOPUS(Non-Paid)**).
21. B.V Suresh, P. Srinivasa Rao and P.Govinda Rao, "Experimental investigation on influence of electrode vibrations on hardness and microstructure of 1018 mild steel weldments", World Journal of Engineering, Vol. 17, Issue 4, 2020 © Emerald Publishing Limited [ISSN 1708-5284] [DOI 10.1108/WJE-11-2019-0333]. (Indexed by **SCOPUS(Non-Paid)**).
22. B.V Suresh, P. Srinivasa Rao and **P.Govinda Rao**, "The effect of vibratory welding weld conditioning on tensile strength and microstructure of 1018 mild steel", World Journal of Engineering, Vol. 17, Issue 6, 2020, pp. 837–844 © Emerald Publishing Limited [ISSN 1708-5284] [DOI 10.1108/WJE-07-2020-0296]. (Indexed by **SCOPUS(Non-Paid)**).
23. B.V Suresh, P. Srinivasa Rao and **P.Govinda Rao**, "Influence of Electrode Vibration on Impact strength of 1018 Mild steel weldments" TEST Engineering and Management, Vol. 83, May-June 2020, pp. 14152-14158. (Indexed by **SCOPUS(Non-Paid)**).
24. B.V Suresh, P. Srinivasa Rao and **P.Govinda Rao**, "Vibratory Assisted Joining Process for Quality Joints", Journal of Xi'an University of Architecture and Technology, Vol.12, Issue 4, 2020, pp. 1553-1560. (Indexed by **SCOPUS(Non-Paid)**).
25. B.V Suresh, P. Srinivasa Rao and **P.Govinda Rao**, "Influence of Flexural Strength welded joints under the effect of electrode vibratory welding process", International Journal of Mechanical and production engineering research and development, Vol.10, Issue 3, June 2020, pp.1345-1352. (Indexed by **SCOPUS**).
26. B V Suresh, P. Srinivasa Rao and **P.Govinda Rao**, "Improvement of tensile strength of 1018 Mild steel welded joints produced under the influence of electrode vibration", International Journal of Innovative Technology and Exploring Engineering, Vol.8, Issue 8, June 2019, pp. 2278-3075. (Indexed by **SCOPUS(Non-Paid)**)
27. P.Govinda Rao, T.V.Madhusudhana Rao, V.V.Rama Reddy, C.V.Gopinath, Sathish Pujari, "Estimating impact strength and flexural strength of vibratory dissimilar vibratory welded joints using machine learning technique", International Journal of Mechanical Engineering, Vol.7, Issue 2, 2022, pp. 2246-2253. (Indexed by **SCOPUS**)
28. **J.Kalpana**, P.SrinivasaRao and P.GovindaRao, "Regression Analysis for Estimating Hardness and Tensile Strength of Vibratory Dissimilar Welded Joint", International

Journal of Management, Technology and Engineering, Vol.8, Issue 12, pp. 3560-3573, 2018(UGC Listed Journal).

29. M.Vykunta Rao, P. Srinivasa Rao and **P.Govinda Rao**, "Influence of Transverse Vibrations on the Fatigue Life of Aluminum Alloy Weld Connections" International Journal of Mechanical and Production Engineering Research and Development, Volume-10, Issue-3, June 2020, pp. 1353–1358. (Indexed by **SCOPUS**).
30. B.V Suresh, P. Srinivasa Rao and **P.Govinda Rao**, "Improvement of tensile strength of 1018 mild steel welded joints produced under the influence of electrode vibration" International Journal of Innovative Technology and Exploring Engineering", Volume-8 Issue-8, June 2019, pp.1219-1222. (Indexed by **SCOPUS**).
31. G.Ramakrishna, P.SrinivasaRao and **P.GovindaRao**, "Methods To Improve Mechanical Properties of Welded Joints: View Point", International Journal of Mechanical Engineering and Technology, Volume 7, Issue 6, 2016, pp. 309–314(Indexed by **SCOPUS**).
32. P.Lakshminarayana, **P. GovindaRao**, "Finite Element Methodology of Residual stress in Butt welding of two similar specimens", International Journal of Mechanical Engineering and Technology (IJMET), Volume 5, Issue 6, June (2014), pp. 55-63(Indexed by **SCOPUS**).
33. G. Musalaiah, Bade Venkata Suresh, P.SrinivasaRao and **P.GovindaRao**, "Shear Strength Enhancement in Vibratory Lap Welded Joints", International Journal of Mechanical Engineering and Technology (IJMET), Volume 8, Issue 1, January (2017), pp. 160-168(Indexed by **SCOPUS**).
34. Bade Venkata Suresh, G. Musalaiah, P.SrinivasaRao and **P.GovindaRao**, "Influence of Vibratory Weld Conditioning on Hardness of Lap Welded Joints", International Journal of Mechanical Engineering and Technology (IJMET), Volume 8, Issue 1, January (2017), pp. 169-177(Indexed by **SCOPUS**).
35. **P.GovindaRao**, V Chittibabu and B. Muralikrishna, "Design of Accurate Steering Gear Mechanism", Mechanics and Mechanical Engineering, Volume 22, Issue 1, 2018, pp. 87-97 (Indexed by **SCOPUS(Non-Paid)**).
36. Bade Venkata Suresh, Y. Sirisha and **P. GovindaRao**, "Effect of rear axle ratio on vehicle performance", Journal of Mechanical Engineering Research and Developments(Indexed by **SCOPUS(Non-Paid)**).
37. V. Chittibabu, K.SantaRao and **P.GovindaRao**, "Factors Affecting the Mechanical Properties of Compact Bone-Miniature Specimen Test Techniques: A Review", Advances in Science and Technology-Research Journal, Volume 10, No. 32, Dec. 2016, pp. 140–154 (Indexed by **ESCI, Web of Science, Thomson Reuters**).

38. MVS Babu and **P.GovindaRao**, "Recent developments in the fabrication of metal matrix composites by stir casting route: A Review", International Journal of Chemical Sciences, Vol. 14, Issue 4, pp. 1730-173 (Indexed by **SCOPUS**).
39. CLVRSV Prasad, K. Santa Rao and **P.GovindaRao**, "Thermoelectric Power Generation by recovering heat energy from the exhaust gases: A Green Technology approach", International Journal of ChemTech Research, Vol.9, Issue 05 pp.577-584, 2016, Sai Scientific Communications (indexed by **SCOPUS**).
40. V. Jagadeesh and **P.GovindaRao**, "Sustainable Development in Process Industries: A Review", International Journal of Chemical Sciences, Volume 14, Issue 4, pp. 1959-1976 (Indexed by **SCOPUS**).
41. D.VenkataRao, MVS Babu and **P.GovindaRao**, "Experimental Investigation of Mechanical Behaviour of Tin alloy based Particulate Metal Matrix Composites", Vol. 14, Issue 3, pp.1730-1736, International Journal of Chemical Sciences (Indexed by **SCOPUS**).
42. V. Chittibabu, K. Santarao, **P.GovindaRao** and MVS Babu, Evaluation of Stress Intensity Factors of Different Materials: A Finite Element Approach, International Journal of Chemical Sciences, Vol. 14, Issue 4, pp 1886-1892 (Indexed by **SCOPUS**).
43. K. Santarao, L V Suryam, **P. GovindaRao**, "Analysis of epoxy composite rectangular plate with a circular hole: A Finite Element Approach", in Journal of Chemical and Pharmaceutical Research, Vol.8, Issue 7, pp.605-610 (Indexed by **SCOPUS**).
44. Yegireddi Shireesha, Bade Venkata Suresh, **P GovindaRao**, "Emissions Reduction using Catalyst Converter", International Journal of ChemTech Research, Vol.9, Issue 3, pp. 540-549, 2016(indexed by **SCOPUS**).
45. K.PrasadaRao, K.Santarao and **P.GovindaRao**, "Experimental Investigation on Performance and Emission Characteristics of a DI Diesel Engine Fuelled with Rice Bran Oil Methyl Ester and Methanol as an additive", International Journal of ChemTech Research, Vol.9, Issue 03 pp.258-266, 2016, Sai Scientific Communications, (indexed by **SCOPUS**).
46. V.Chittibabu, K.Santarao, **P.GovindaRao** and MVS Babu, "Experimental Studies on Tensile Properties of Various Steels Using Miniature Specimens", International journal of ChemTech Research, Vol.9, Issue 8, pp. 305-311, 2016 (Indexed by **SCOPUS**).
47. J.Kalpna, S.V.Ramana, **P.GovindaRao**, V.ChittiBabu, K Santa Rao, "Implementation of Generalized Regression Neural Network to Establish a Relation between Vibration Parameters and Time of Vibration for Welded Joints", IOSR Journal of Mechanical and Civil Engineering Volume 6, Issue 4, May-Jun.2013, pp. 36-42 (Indexed by **DOAJ**).

48. G.Ramakrishna, Ch.Anil Kumar, **P.GovindaRao**,V.Chittibabu and S.V.Ramana," Finite Element Analysis of Residual Stresses in Welded Joints Prepared Under Influence of Mechanical Vibrations", International Journal on Mechanical Engineering and Robotics (IJMER), ISSN (Print): 2321-5747, Volume-1, Issue-1, 2013,pp.85-89.(Conference Proceedings accepted as a journal publication).
49. G.Ramakrishna, Ch.Anil Kumar, **P.GovindaRao** and S.V. Ramana," A Finite Element Based Analysis of Residual Stresses of Welded Joint Through Mechanical Vibrations" International Journal of Mechanical and Production Engineering (IJMPE),ISSN:2315-4489,Volume 2,Issue-1, 2013,pp.72-77.(Conference Proceedings accepted as a journal publication).
50. V. Chittibabu, L.V.sateesh and **P. GovindaRao**, "Dynamic Analysis Of Piezoelectric Transducers Using Finite Element Method", International Journal of Engineering Research and Technology, Volume 2, Issue 5, May – 2013, pp.375-385.
51. V ChittiBabu, Bade Venkata Suresh,**P. GovindaRao**, "Determination of Mechanical Properties of Different Materials Using Inverse Finite Element Procedure for the Miniature Specimen Test Simulation", IOSR journal of Mechanical and Civil Engineering, Volume 6, Issue 3 (May. – Jun. 2013), pp. 25-36.
52. B.KrishnaPrafulla, V. ChittiBabu and **P. GovindaRao** "CFD Analysis of Convergent-Divergent Supersonic Nozzle", International Journal of Computational Engineering Research,Volume 3, Issue 5, May 2013, pp.5-16.
53. Yegireddishireesha,S.V.Ramana and **P.GovindaRao**, "Modeling and static analysis of femur bone by using different implant materials", IOSR Journal of Mechanical and Civil Engineering, Volume 7, Issue 4 (Jul. – Aug. 2013), pp.82-91.
54. P.S.Rao, K.Mohan Krishna choudary, M.VijaySekahrbabu, **P.GovinaRao** and A.SuryaPrakash, "Synthesis of Nano Titanium Dioxide powder using MWP (Microwave plasma) and its characterization", International Journal of modern Engineering research,Volume2, Issue 3, May-June 2012, pp.1150-1156.

Conference Publications:

1. J.Kalpana,P.SrinivasaRao and **P.Govinda Rao**,"Regression Analysis for Estimating Hardness and Tensile Strength of Vibratory Dissimilar Welded Joint", 3rd International Conference on management, sciences, engineering & applications (ICMSEA-2018) at Baba Institute of Technology and Sciences (BITS), Visakhapatnam. (Accepted).
2. J.Kalpana,P.SrinivasaRao and **P.Govinda Rao**," Estimation of Impact Strength and Flexural Strength of Vibratory Dissimilar Welded Joints using Regression Technique" 6th International Conference on Advances in Materials and Manufacturing Engineering(ICAMME-2019) at Kalinga Institute of Industrial Technology, Bhubaneswar. (Communicated).

3. G.Ramakrishna, Ch. Anil Kumar, **P.GovindaRao** and Dr.VChittiBabu and Dr. S V Ramana, " Finite Element Analysis Of Residual Stresses In Welded Joints Prepared Under The Influence Of Mechanical Vibrations", International Conference on Latest Trends in engineering and Technology (ICLTET) during 27th April 2013 at Tirupati.
4. **P.GovindaRao**,P.SrinivasaRao, A.Gopala Krishna and C V Sriram, "Some Improvements In Mechanical Properties Butt Welded Joints Of Steel Through Vibratory Welding Process", National Conference for Researchers on Latest innovations in Mechanical Engineering (Lime 2013) during 28th April 2013 at Andhra University, Visakhapatnam.
5. B. Venkata Suresh, Dr. V. ChittiBabu and **P.GovindaRao**, " Inverse finite element Procedure for the determination of Mechanical properties of the different materials using miniature specimen simulation" , National Conference for Researchers on Latest innovations in Mechanical Engineering (Lime 2013) during 28th April,2013 at Andhra University, Visakhapatnam.
6. G.Ramakrishna, Ch. Anil Kumar, **P.GovindaRao** and Dr. S.V Raman "A Finite Element Based Analysis of Residual Stresses of Welded Joint through Mechanical Vibrations", International conference on Advanced research in Mechanical engineering, 18th November 2012, Pune.
7. P.Lakshminarayana, **P.GovindaRao**,M.VijaySekharbabu, Dr. P.S. Rao, "Reduction of Residual stresses in welded Joints using Mechanical Vibrations and Analysis using Finite Element Method" , International conference on Materials processing and characterization during March 8th-10th, at GokarajuRangaraju, Institute of Engineering and Technology, Hyderabad.
8. JagadiswaraRaoKatari, Dr. P.SrinivasaRao, **P.GovindaRao**, "Optimal Process Parameters for Solids wire gas metal arc welding using Neural Network Technique", International Conference on Artificial Intelligence and soft computing at IIMT Bhubaneswar.
9. K.PrasadRao, **P.GovindaRao**, P.SrinivasaRao, C.L.V.R.S.V. Prasad and K.KoteswaraRao, "Intelligent system for optimal fuel supplier selection for forecasted power by using A.H.P and M.R.A", International conference on contemporary research and development, business and information during 25th to 26th February 2010, IMT Ghaziabad.
10. Joshua.V.J.J.P, K.PrasadaRao and **P.GovindaRao**, "CFD analysis over the wind shield of a two wheeler to enhance the comfortability of the rider at higher speeds", International conference on Recent Trends in Mechanical Engineering during

December 18th to 20th 2008, Conducted by Dr. Mahalingam college of Engineering and Technology, Polachi, Chennai.

FACULTY DEVELOPMENT PROGRAMS

1. Attended Faculty Empowerment Program “**Mission 10X**” from 19th to 23rd July, 2011 at GMRIT, Rajam.
2. Participated in two day National Workshop on “**Advanced Materials and Processing**” at JNTU, Vizianagaram during 21st to 22nd Feb 2010.
3. Attended a STTP Program on “**Finite Element Applications to Mechanical Engineering Problems**” conducted by PVP Siddhartha Institute of Technology, Vijayawada on 16th to 20th June 2008.
4. Attended audit course on “**Research Methodologies**” at JNTU Kakinada from 1st to 15th May 2014.
5. Attended audit course on “**Intellectual Property Rights**” at JNTU Kakinada from 16th to 30th May 2014.
6. Attended Workshop on “**Theories in Learning & Design**” at GMRIT, Rajam during 5th to 7th March 2015.
7. Attended workshop on “**NPTEL**” at GITAM University, Visakhapatnam on 15th February 2016.
8. Participated faculty development programme on “**Objective Oriented, Enriched, Revised Bloom’s taxonomy**” conducted at GMRIT, Rajam, on 16th & 17th Sept. 2016.
9. Participated faculty development programme on “**Empowering Engineering Faculty in Question Paper Setting**” conducted at GMRIT, Rajam, on 11th & 12th Nov. 2016.
10. Attended workshop on “**Outcome Based Education & Accreditation (OBE & OBA)**” conducted at GMRIT, Rajam, on 17 & 18th May 2017.
11. Participated in Proposal for Designing and Delivering Management Development Programme on “**What Every Teacher Should Know for Bringing out the Best from their Students**” conducted at GMRIT, Rajam on 1st, 2nd & 3rd June 2017.



(Dr. P. Govinda Rao)