

Name : **B. V. R. RAVI KUMAR**
Designation : Professor
Department : Mechanical Engineering

1. Educational/ Technical Qualifications

S.No	Degree	University	Year of Pass	%
1	AMIE	IEI(India)	1996	58
2	M.Tech	NIT-Warangal	1998	71
3	Ph.D.	JNTUH-Hyderabad	2007	---

2. Membership in Professional Societies

- Indian Welding Society (LM425)
- Institution of Engineers – IEI (INDIA) – AM/090055/1
- Society for Aerospace Quality and Reliability (LM125)
- Indian Society for Technical Education (ISTE) (LM62915)

3. Teaching Experience

1. Working as **Professor in Mechanical Engineering**, VNRVJIET , from 21-12-2017 to Till Date. Ratified by JNTUH - Hyderabad
2. Worked as **Principal & Professor in Mechanical Engineering**, NSRIT, from 23-04-2015 to 20.12.2017. Ratified by JNTUK- Kakinada
3. Worked as **Professor in Mechanical Engineering**, VNRVJIET, from 01-01-2009 to 22.04.2015. Ratified by JNTUH - Hyderabad
4. Worked as **Professor in Mechanical Engineering**, MREC, from 19-06-2008 to 31.12.202008.
5. Worked as **Associate Professor** in BVRIT, from 01-07-2004 to 18-06-2008.
6. Worked as **Senior Assistant Professor** in BVRIT, from 01-01-2004 to 30-06-2004
7. Worked as **Assistant Professor** in BVRIT, 04-12-1998 to 31-12-2003.
8. Worked as **Lecturer** in PREC, from 01-01-1998 to 30-11-1998.
4. Projects guided

B.Tech	13 Batches
M.Tech	9 Students

5. Ph.D. Guidance

Ph.D. Awarded	2 students from JNTUH-Hyderabad
Ph.D. Pursuing	2 Students JNTUH & JNTUK

6. Sponsored Research Projects

S.No.	Project Title	Funding Agency	File No.	Year of Sanction	Duration	Amount Sanctioned Rs.	Status
1	Experimental Investigation on Role of Hybrid Tool pin profile on Microstructure and Mechanical properties of Friction Stir Welded dissimilar AA 6082 – AA 5083 Aluminum Alloy	AICTE	B-ILZ FDC RPS (POLtCy-I1 2OL9-20	2020-21	3 Years	7,84,314	Ongoing
2	Experimental study of Influence of Pulsed and Non-pulsed Current Gas Tungsten Arc Welding on 6082 Aluminum Alloy Weldments	AICTE	20/AICTE/RIF D/RPS (POLICY-III)54/2012-13, 25 th Feb 2013	2012-13	3 Years	15,70,000	Completed
3	Comparative Study of Weld characteristics of IS:65032 Aluminum Alloy by two processes – FSW and GTAW	DRDO (CARS)	ASL/31/2013/4051/CARS/47, 18 th June 2013	2013-14	2 Years	9,91,000	Completed

7. Lab Established in the Department: Centre of Excellence in Joining Technology (COEJT)

8. Publications:

Year	International Journal	National Journal	International Conference	National Conference	Total
2020-21	01		01		02
2019-20	03		01		04
2018-19	04				04
2017-18	05		02		07
2016-17	04		02		06
2015-16	01	01			02
2014-15	06		07	02	15
2013-14	08			01	09
2012-13	08		02		10
2011-12	01		02		03
2010-11	---	---	---	---	00
2009-10	--		01	02	03
2008-09	01	01	01	01	04
2007-08		01	01	01	03
2006-07		01	2		03
2005-06		02	02	01	05
2004-05				02	02
Total	42	06	24	10	82

Papers Published in Reviewed Journals and Conferences

1. M.Venkata Ramana, G. Krishna Mohana Rao and M.Dheeraj Reddy, B.V.Raja Ravi Kumar, P. Ravi Kumar, "Optimization and impact of process parameters on tool-chip

interaction while turning of A286 iron based nickel superalloy published in Int. Journal of Machining and Machibility of Materials , Vol 24, Nos.1/2 , May 2022 . pp. 48 – 67. Scopus Indexed.

2. M Kaveti Upender, Dr. B.V.R. Ravi Kumar, Dr. M.S. Srinivasa Rao and Dr. M. Venkata Ramana “Friction stir welding of IS:65032 aluminum alloy and predicting tensile strength using Ensemble Learning” published Int. Journal of Machining and Machinability of materials, **Springer Index by Scopus** - ISBN 978-981-19-0675-6 ISBN 978-981-19-0676-3 (eBook) <https://doi.org/10.1007/978-981-19-0676-3>. Pp.103-114.
3. M Kaveti Upender, Dr. B.V.R. Ravi Kumar, Dr. M.S. Srinivasa Rao and Dr. M. Venkata Ramana “Friction stir welding of IS:65032 aluminum alloy and predicting tensile strength using Ensemble Learning” published in 1st International Conference on Advances in Mechanical Engineering & Material Science (ICAMEMS-2022, 22nd – 24th January 2022) conference proceedings, **organized by School of Mechanical Engineering, VIT-AP University, Amaravathi, Andhra Pradesh , India. Pp.-12**
4. M.Venkata Ramana, G. Krishna Mohana Rao, D. Hanumantha Rao, **B.V.R. Ravi Kumar** , “Prdiction of Optimum Process Parameters in Turning of Ti6Al4V Alloy under various cooling strategies using soft computing tool”, published in 3rd International Conference on Advancements in Aeromechanical Materials for Manufacturing **AIP conference Proceedings 2317 , MLRIT - 020004 (2021) (2021) Page 1-8.**
5. M.Venkata Ramana, G. Krishna Mohana Rao, Bidya Sagar, Ravi Kumar Panthangi, **B.V.Raja Ravi Kumar** , “Optimization of surface roughness and tool wear in sustainable dry turning of Iron based Nickel A286 alloy using Taguchi’s method”, published in **International Journal of Cleaner Engineering and Technology, Elsevier 2 (2021) 100034 , December 2020.** Scopus Indexed Journal Page No.: 1-15.
6. K.Vijay Krishna Varma, **Dr. B.V.R. Ravi Kumar**, Dr. M.Venkata Ramana,, “Influence of MX Trivex, A-Skew, Three Flat Threaded and Concave Shouldered Mx-Triglute tool pin profiles on tensile properties and fractural behavior of AA 6082-T6 weldments during Friction stir welding” has been accepted for publication in International Journal of Innovative Technology and Exploring Engineering (IJITEE) **ISSN: 2278-3075**, Volume-9, Issue 4, February 2020. pp. 1376-1384 (**Scopus Indexed Journal, DOI:10.35940/ijitee.B1638.029420 , B Impact factor : 5.54**)
7. **Dr. B.V.R. Ravi Kumar**, A. Sudheer, K.Vijay Krishna Varma , “Experimental Behaviour of Tensile Properties of AA2014-T6 Aluminum Alloy using FSW and GTAW” has been accepted for publication in International Journal of Engineering and Advanced Technology (IJEAT) **ISSN: 2249-8958**, Volume-9, Issue 2, December 2019. pp. 1566-1569 (**Scopus Indexed Journal, DOI:10.35940/ijeat.B3807.129219 , B Impact factor : 5.97**)
8. K.Nageswara Rao, **Dr. B.V.R. Ravi Kumar**, Dr. M.T.Naik, , “Experimental Investigation on GTAW of AL 6061-T6 Material with SUS 304” has been accepted

- for publication in International Journal of Innovative Technology and Exploring Engineering Volume-8, July 2019. (**Scopus Indexed Journal, Impact factor : 5.15**)
9. K.Nageswara Rao, Dr. B.V.R. Ravi Kumar, Dr. M.T.Naik, “c ” Published in International Journal of Advanced Science and Technology (IJAST), ISSN : 2207-6360, Vol.126 May 2019, pp. 118-127 (UGC approved Sr.No. 49016)
 10. Dr. M.Venkata Ramana, **B.V.R. Ravi Kumar**, M.Krishna, M.Venkateswara Rao & V.S.Kumar, “Optimization and Influence of Process Parameters of Dissimilar SS 304L-SS 430 Joints Produced by Robotic TIG Welding” Published in the Proceedings of **International Conference on Recent Advances in Materials, Manufacturing & Energy Systems (ICRAMMES 2019)**, 3rd – 4th January 2019, association with Materials Today Journal of Achievements in Materials and Manufacturing Engineering , International Journal of Engineering and Technology (UAE), Department of Mechanical Engineering V R Siddhartha Engineering College , Vijayawada, A.P.
 11. A.Raveendra, **B.V.R. Ravi Kumar**, & S.Sudhakara Reddy, “Microhardness and Mechanical Properties of 5052 Aluminum Alloy Weldments using Pulsed and Non-Pulsed Gas Tungsten Arc Welding” **Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)**, ISSN : 2249-8001, Volume 8, Issue 6, Dec 2018, pp. 691-698. (**Scopus Indexed Journal**) (IMF : 7.6197) UGC Recognized **DOI : 10.24247/ijmperdddec201871** - http://www.tjprc.org/view_paper.php?id=10795
 12. S.Veerendra Prasad, **B.V.R. Ravi Kumar**, & V.V.Subba Rao, “Optimization of Process parameters in Hard Turing of Aisi 5150 Steel by Anova” Published in the Proceeding s of **International Journal of Recent Technology and Engineering (IJRTE)**, ISSN: 2277-3878, Vol. 7, Issue – 4 , November 2018, pp. 108-110. (**Scopus Indexed**)
 13. S.Veerendra Prasad, **B.V.R. Ravi Kumar**, & V.V.Subba Rao, “Optimization of Process parameters in Hard Turing of Aisi 5150 Steel by Anova” Published in the Proceeding s of **International conference on Research Advancements in Applied Engineering Sciences, Computer and communication Technolgies, (IFERP-ISBN:978-81-937041-9-6)**, 12th & 13th July 2018, BVRIT, Narsapur, Medak, Telangana.Pg.69.
 14. K.Nageswara Rao, Dr. B.V.R. Ravi Kumar, Dr. M.T.Naik, “Study and Parameter Optimization of Dissimilar Materials using MIG Wleding Process ” **Published in International Journal of Engineering and Technology**, ISSN : 2395-1303, Vol.4 Issue 2, Mar-April 2018 2018 , pp. 1081-1085. (IMF: 6.088)
 15. K.Nageswara Rao, Dr. **B.V.R. Ravi Kumar**, & M.T.Naik “Optimization of Process Parameters during TIG Welding of Si-Mg-Mn Alloy 64430” **Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)**, ISSN : 2249-8001, Volume 8, Issue 3, June 2018, pp. 659-666. (**Scopus Indexed Journal**) UGC Recognized (IMF : 7.6197) - http://www.tjprc.org/view_paper.php?id=10154, **DOI : 10.24247/ijmperdddec201871** (IMF : 7.6197)
 16. K.Nageswara Rao, Dr. **B.V.R. Ravi Kumar**, “Joined field Modelling of Gas Tungsten Arc Welding “ **Published in International Journal of Current Engineering and Scientific Research (IJCESR)**, ISSN : 2397-0697, Volume 5, Issue 4, 2018, pp. 448-455. (UGC Recognized) (IMF : 3.24)
 17. Srirangam Adithya Vamshi, M.S.Srinivas Rao, Dr. **B.V.R. Ravi Kumar**, Dr. M.Manzoor Hussain, “Experimental Investigation on Influences of tool Rotational

speed and pin profile on Friction Stir Welding of AA7075 Aluminum Alloys, **Published in International Journal of Creative Research Thoughts (IJCRT) , ISSN: 2320-2882, Volume 6, Issue 1 March 2018, pp 272-277. (UGC Recognized) (IMF : 5.97)**

18. **K.Nageswara Rao, Dr. B.V.R. Ravi Kumar, Dr. M.T.Naik, “A Review on Dissimilar Materials Welding Techniques ” Published in International Journal of Advancement in Engineering Technology, Management and Applied Science , ISSN 2349-3224, Vol.5 Issue 1, January 2018 , pp. 111-123.**
19. **K.Nageswara Rao, Dr. B.V.R. Ravi Kumar, Dr. M.T.Naik, “A Comparative study of Tensile strength of Dissimilar Materials (SS 202,304,310,316 and Mild Steel) Joined using MIG and TIG Welding Process ” Published in International Journal of Multidisciplinary Educational Research (IJMER) ISSN 2277-7881, Vol.6 Issue 7, July 2017 , pp. 95-109.(IMF: 6.014)**
20. **M.S.Srinivas Rao, Dr. B.V.R. Ravi Kumar, Dr. M.Manzoor Hussain, “Friction Stir Welding : Process and Its Variables – A Review ” Published in 9th International Conference on Recent Innovations in Science, Engineering and Management (RISEM-17), organized by Dhruva Institute of Engineering and Technology, Nalgonda, Telangana. ISSN: 978-93-86171-22-1, 28th – 29th January 2017, pp118-126.**
21. **M.S.Srinivas Rao, Dr. B.V.R. Ravi Kumar, Dr. M.Manzoor Hussain, “Effect of Process parameters on Metallurgical and Mechanical Properties of Friction Stir Welded Aluminum Alloys ” Published in International Journal of Theoretical Applied Mechanics, ISSN No.:0973-6085, Volume No. 12, Number 3 (2017), Research India Publications PP. 473-484. (Impact Factor : 2.38)**
22. **M.S.Srinivas Rao, Dr. B.V.R. Ravi Kumar, Dr. M.Manzoor Hussain, “Experimental study on the effect of welding parameters and tool pin profiles on the IS: 65032 Aluminum Alloy FSW Joints” Published in 5th International Conference of Materials Processing and Characterization (ICMPC-2016) by Elsevier – Proceedings Vol. 4 , 2017 – pp 1394-1404.**
23. **Nanupatruni Ravishankar, Dr. B.V.R. Ravi Kumar, “Modeling and Exploration of a 2-Wheeler Automotive Brake Disc” published in International Journal & Magazine of Engineering , Technology, Management and Research, ISSN No.:2348-4845, Volume No. 3(2016), Issue No.11 November 2016, PP 206-214.**
24. **Surada Sanyasi Rao, Dr. B.V.R. Ravi Kumar, “Thermal and Structural Analysis of CI Engine Piston for Different Open Type Combustion Chambers with Composite Materials Using CATIA & ANSYS Tools” published in International Journal & Magazine of Engineering , Technology, Management and Research, ISSN No.:2348-4845, Volume No. 3(2016), Issue No.11 November 2016, PP 182-187.**
25. **M.S.Srinivas Rao, Dr. B.V.R. Ravi Kumar, Dr. M.Manzoor Hussain, “Optimization of Process Parameters of Friction Stir Welded Aluminum Alloys for Maximum Tensile Strength” published in International IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 13, Issue 3 Ver. VII (May- Jun. 2016), PP 01-06. (Impact Factor : 3.781) (UGC approved)**
26. **Venkateswara Rao R and Ravi Kumar BVR, “Design and Deposition of Hard Thin coatings on Soft Substrates – A Review” published in Journal of Manufacturing Engineering, ISSN: 0973-6867 , September 2015, Vol.10, Issue 3, pp.126-129.**
27. **A. Raveendra, M. Satish Sagar Dr. B.V.R. Ravi Kumar, “Effect of Pulsed Current on TIG Weldments of Aluminium Alloy (5052) and Alloy Steel (EN 24)” published in International Journal of Innovative Research in Science, Engineering and**

Technology (IJIRSET) ISSN : 2319-8753, Volume : 4 , Issue 5, May 2015, 3095-3101. (IP : 1.672)

28. **B.L.N.Krishna Sai, Dr. B.V.R. Ravi Kumar**, “Influences of Tool Pin Profiles and Welding parameters on Mechanical Properties and Joint Efficiency of AA5083 and AA6082 Joints produced by Friction Stir Welding” accepted for presentation and published in the proceedings of International Conference on Emerging Trends in Engineering and Technology (IFERP) ISBN :9788192958050 , 12th **April 2015** Organized by Insti1397-1404tute for Engineering Research and Publication, Hyderabad. pp. 1-5.
29. **B.L.N.Krishna Sai, B.V.R. Ravi Kumar**, “A review of Friction Stir Welding of Dissimilar AA5083 and AA6082 Aluminum Alloy” accepted for presentation and published in the proceedings of National Conference on Fast Emerging Trends in Engineering and Technology (NCOFEET-2K15) , 25th & 26th **March 2015** Organized by Bharat Institute of Engineering and Technology, Hyderabad. pp. 180-185.
30. **K.Ramu, R.Venkateswara Rao, Dr. B.V.R. Ravi Kumar**, “Experimental Observations and Microstructure study on AA6061 by FSW process with different tool Profiles” accepted for presentation and published in the proceedings of International Conference on Advances in Production and Industrial Engineering (INCAPIE 2015) , 20th & 21st **Feb 2015** Organized by Department of Production Engineering, National Institute of Technology (NIT), Tiruchirappalli , India. pp.397-400.
31. **R.Venkateswara Rao, Dr. B.V.R. Ravi Kumar**, “Design and Deposition of Hard Thin coatings on Soft Substrates – A Review” accepted for presentation and published in the proceedings of two day seminar on **Advances in Industrial Tribology (AINT’15), 11 & 12 Feb 2015** Organized by Centre for Manufacturing Sciences , Department of Mechanical Engineering, National Engineering college, K.R.Nagar, Kovilpatti, Tamilnadu, India.
32. **A. Raveendra, Dr. B.V.R. Ravi Kumar**, “Microscopic study of EN24 Alloy Steel weldments using pulsed and non-pulsed current Gas Tungsten Arc Welding” accepted for presentation and **published in the proceedings of International conference on Emerging Technologies in Mechanical Sciences ICEMS-14** Organized by MRITS , Hyderabad, ISBN 978-93-83038-28-2: 2^{6th} -2^{7th} , December 2014, pp.192-198..
33. **Dr. B.V.R. Ravi Kumar, M.Srivatsva**, “Experimental study of Mechanical Properties of 5083 Aluminum Alloy using Gas tungsten Arc Welding ” accepted for presentation and **published in the proceedings of International conference on Advanced Materials an Manufacturing Technologies (AMMT)** Organized by JNTUH college of Engineering Hyderabad and sponsored by UGC and TEQIP-II, ISBN 978-93-82163-46-6:18th -20th , December 2014, pp.95-103.
34. **A. Raveendra, Dr. B.V.R. Ravi Kumar**, “Micro-Hardness and Mechanical Properties of 5052 Aluminum Alloy Weldments using pulsed and Non-pulsed Current Gas Tungsten Arc Welding, accepted for presentation and **published in the proceedings of International conference on Advanced Materials an Manufacturing Technologies (AMMT)** Organized by JNTUH college of Engineering Hyderabad and sponsored by UGC and TEQIP-II, ISBN 978-93-82163-46-6:18th -20th , December 2014, pp.104-112.
35. **Dr. B.V.R. Ravi Kumar, B.L.N, Krishna Sai, S. Rajasekhar**, “Evaluation of Mechanical AA 6082-T6 Aluminum Alloy using pulse & Non-pulse Current GTAW Process ” **published in International Journal of Innovative Research in Science,**

Engineering and Technology (IJIRSET) ISSN : 2319-8753, Volume : 3 , Issue 12, December 2014, 18139-18146. (IP : 1.672)

36. **Dr. B.V.R. Ravi Kumar** ,K.Swathi, B.L.N, Krishna Sai “Mechanical and Micro structural Characterization of Al5083 and Al6082 butt Joints made by GTAW ” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** ISSN : 2319-8753, Volume : 3 , Issue 12, December 2014, 18023-18030. (IP : 1.672)
37. **Dr. B.V.R. Ravi Kumar** and V. Harshitha, “Experimental Investigation into the effect of Gas Tungsten Arc Welding on Ti-6Al-4V ” **published in the proceedings of International Conference on Mechatronics and Mechanical Engineering (ICMME 2014)** ISBN : 978-81-930280-2-5, 30th November 2014, Warangal , organized by Technical Research Organization India . pp 15-20.
38. **Dr. B.V.R. Ravi Kumar**, M.Srivatsva, “Experimental Investigation of effect of filler wires and current on properties of 5083 Aluminium alloy using Gas Tungsten Arc Welding” accepted for presentation and **published in the proceedings of International Welding Symposium 2014 – IWSK14**, Organized by Indian Welding Society , at Bombay convention & Exhibition Centre, Mumbai, India : 28th -30th , December 2014, pp.217-225.
39. B. Tulasirama Rao, K. Sriviniivs, P. Ramireddy, A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Finding Cutting Foces while turning operation on lathe machine at different depth of cut of different metals ” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** ISSN : 2319-8753, Volume : 3 , Issue 10, October 2014, 16866-16872. (IP : 1.672)
40. A.Raveendra and **Dr. B.V.R. Ravi Kumar**, “Micro-Hardness and Mechanical Properties of EN24 Alloy Steel Weldments using Pulsed and Non-pulsed Current Gas Tungsten Arc Welding” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** ISSN : 2319-8753, Volume : 3 , Issue 10, October 2014, 16588-16593. (IP : 1.672)
41. B. Tulasirama Rao, K. Sriviniivs, P. Ramireddy, A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Measuring cutting forces while cutting of different metals with different speeds” **published in International Journal of Application or Innovation in Engineering & Management (IJAIEM)** ISSN : 2319-4847, Volume : 3 , Issue 09, September 2014, 163-169. (IMF:2.379) (**Indexing Thomas Reuters**)
42. A. Raveendra, **Dr. B.V.R. Ravi Kumar**, Dr. A. Siva kumar, and V. Pruthivi Kumar Reddy “Influence of welding parameters on weld characteristics of 5052 Aluminum Alloy sheet using TIG Welding ” **published in International Journal of Application or Innovation in Engineering & Management (IJAIEM)** ISSN : 2319-4847, Volume : 3 , Issue 3, March 2014, 186-190. (IP : 2.379) (**indexing Thomas Reuters**)
43. A. Raveendra, **Dr. B.V.R. Ravi Kumar**, Dr. A. Siva kumar, N. Santosh “Effect of welding parameters on 5052 Aluminum Alloy weldments using TIG Welding ” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)** ISSN : 2319-8753, Volume : 3 , Issue 3, March 2014, 10302-10309. (IP : 1.672)
44. **Dr. B.V.R. Ravi Kumar**,“A Review on Importance of Mocoalloying in Steel ” **published in International Journal of Mechanical Engineering & Technology (IJMET)**, ISSN : 0976-6340, Volume : 5 , Issue 2, February 2014. (IP: 3.8731) (**Scopus Index Journal**)
45. A.Raveendra and **Dr. B.V.R. Ravi Kumar**,“Effect of Pulsed Current on Welding Characteristics of EN24 Alloy Steel using Gas Tungsten Arc Welding” **published in**

- International Journal of Advances in Science and Technology (IJAST)**, ISSN : 2229-5216, Volume : 8 , Issue 1, January 2014, 28-37. (IP: 1.41)
46. S. Veerendra Prasad and **Dr. B.V.R. Ravi Kumar**,“Optimization of Process Parameters in Friction Stir Welding of AA 6082-T6 Aluminum Alloy” **published in International Journal of Advanced Scientific and Technological Research (IJAST)**, ISSN : 2249-9954, Volume : 6 , Issue 3, Nov-Dec, 2013, 818-831. (IP:2.94)
 47. **Dr. B.V.R. Ravi Kumar**,“A Review on Steels for Aeronautical Applications” **published in International Journal of Advanced Scientific and Technological Research (IJAST)**, ISSN : 2249-9954, Volume : 6 , Issue 3, Nov-Dec, 2013, 583-590. (IP:2.94)
 48. A.Raveendra and **Dr. B.V.R. Ravi Kumar**,“Experimental Investigations on Welding Characteristics of Similar Metal Weldments and Dissimilar Metal Weldments, using Gas Tungsten Arc Welding , **published in National Conference on “Role of Civil & Mechanical Engineer in Development of Society (RCMS 2K13)” Under TEQIP – II**, held on 2^{0th} & 2^{1st} September 2013, pp 1-8.
 49. B. Tulasirama Rao, K. Sriviniivs, P. Ramireddy, A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Experimental Study on the Effect of cutting parameters on surface finish obtained in CNC Turning Operation ” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN : 2319-8753, Volume : 2 , Issue 9, September 2013, 4547-4555. (IP : 1.672)**
 50. A.Raveendra and **Dr. B.V.R. Ravi Kumar**,“Experimental study of Pulsed and Non-pulsed current TIG welding of Aluminum Alloy sheet (6082)” **published in International Journal of Engineering Science and Research (IJESR) ISSN : 2277-2685, Volume : 3 , Issue 6, June 2013, 4102-4108. (UGC Recognized)**
 51. A.Raveendra and **Dr. B.V.R. Ravi Kumar**,“Experimental study of Pulsed and Non-pulsed current TIG welding of Stainless Steel sheet (SS304)” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN : 2319-8753, Volume : 2 , Issue 6, June 2013, 2337-2344. (IP: 1.672)**
 52. **Dr. B.V.R. Ravi Kumar**,“A Review on Blisk Technology” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN : 2319-8753, Volume : 2 , Issue 5, May 2013, 1353-1358. (IP: 1.672)**
 53. A.Raveendra and **Dr. B.V.R. Ravi Kumar**, “Effect of Pulsed Current on welding characteristics of Aluminum Alloy (5052) using Gas Tungsten Arc Welding” **published in International Journal of Science and Research (IJSR) ISSN : 2319-7064, Vol 2 , May 2013, 82-86.**
 54. A.Raveendra and **Dr. B.V.R. Ravi Kumar**, “Effect of Pulsed Current on welding characteristics of EN19 Alloy Steel Using Gas Tungsten Arc Welding” **published in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN : 2319-8753, Volume : 2 , Issue 5, Mar 2013, 1359-1367. (IP: 1.672)**
 55. M.S. Srinivas Rao, Kode Jaya Prakash, **Dr. B.V.R. Ravi Kumar**, “A Review of Friction Stir Welding Process and its Variables” **published in International Journal of Science and Research (IJSR) ISSN : 2319-7064, Volume : 2 , Mar 2013, 375-379 (3.358)**
 56. B. Tulasirama Rao, K. Sriviniivs, P. Ramireddy, A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Effect of Processing Parameters on Surface finish of the Components Processed by CNC Turning Machine” **published in International Journal of**

Mechanical Engineering applications Research (IJMEAR) ISSN : 2249-6564, Volume : 4 , Issue :01 Jan-Mar 2013, 224-228

57. A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Comparative Study on Welding Characteristics of EN8 & EN31 Alloy Steel Weldments, using Gas Turbine Arc Welding” is accepted for presentation and publication in **International conference on Advancements in Engineering and Management (RITS ICAME – 2013)27 & 28th February 2013**
58. B. Tulasirama Rao, K. Sriviniivs, P. Ramireddy, A. Raveendra, **Dr. B.V.R. Ravi Kumar**,”Characterisitics of Force Feed on Stability in various Turning Process”, is accepted for presentation and publication in **International conference on Advancements in Engineering and Management (RITS ICAME – 2013)27 & 28th February 2013**
59. M.S.Srinivas Rao, **Dr. B.V.R. Ravi Kumar**, Dr. M.Manzoor Hussain, “Experimental study of welding characteristics during Friction Stir Welding (FSW) of Aluminum Alloy (AA6061-T6) published in **International Journal of Research in Engineering and Technology (IJRET)**, ISSN: 2319-1163, Volume : 1 , Issue :3 Nov 2012 , pp. 469-473 (Impact Factor :1.962)
60. A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Experimental Investigation on welding characteristics of Aluminum Alloy (6082) weldments using pulsed and non-pulsed current GTAW is accepted for presentation and publication in **International conference on Materials Processing and Characterization (ICMPC) , GRIET, Hyderabad, March 8-10, 2012**
61. A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Experimental Investigation on welding characteristics of stainless steel weldments using pulsed and non-pulsed current GTAW is accepted for presentation and publication in **International conference on Advancements in Engineering and Management (RITS ICAME – 2012)28 & 29th February 2012**
62. A. Raveendra, **Dr. B.V.R. Ravi Kumar**, “Welding Characteristics of Aluminum Alloy (6082) and Stainless Steel (304) weldments using Pulsed and Non-pulsed current GTAW” is accepted for publication in **International Journal of Mechanical Engineering Applications Research**, July 2011, Vol. 02, Issue 03, August 2011, pp 1-16.
63. A. Raveendra and **Dr. B.V.R. Ravi Kumar**, “Optimizing pulsed current TIG Welding Parameters to refine the fusion Zone” is accepted for presentation and publication in proceedings of **International Conference of Convergence of Science and Engineering in Education and Research – A Global Perspective in the new Millennium- ICSE 2010**, organized by the DSI Campus , Bangalore , held on 21st, 22nd, & 23rd April 2010.
64. A. Raveendra and **Dr. B.V.R. Ravi Kumar**, “Comparison of Welding Characteristics between TIG & MIG Weldments,” Published in Proceedings of **National Conference on Excellence in New Technologies in Mechanical Engineering (ENTIME)**, 12th -13th December , 2009.
65. A. Raveendra and **Dr. B.V.R. Ravi Kumar**, “Mechanical Properties of Gas Metal Arc Weldments,” Published in Proceedings of **National Conference on Aerospace Engineering (NCAE-09)**, MRCET, 04th -05th December , 2009.
66. **Dr. B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Microstructural Studies of welding of 65032 Aluminum Alloy and 15 CDV 6 Alloy Steel weldments using Pulsed and Non-Pulsed Current GTAW*”, published in Spring Edition 2009 - **International Journal of Mechanical and Automobile Engineering (IJMAE)**, Vol.01,No.1, Jan 2009, pp 92-116.

67. **Dr. B.V.R. Ravi Kumar** and Dr. J.S. Soni, “ *Microstructure and Properties of Welded 15 CDV 6 Alloy Steel*” published in **The Icfai Journal of Science and Technology, June 2009, Vol. 5, No.2. PP.7-25**
68. A. Raveedra, **Dr. B.V.R. Ravi Kumar**, Dr. V.V.Satyanarayana, “*Development of Mathematical Models in Gas Metal Arc Welding*”, published in the proceedings of **National Conference on IT trends in Engineering Applications** organized by the Centre for PG students in Engineering of Dayananda College of Engineering & IEEE DSCE Students Branch , Bangalore, held on 19th , 20th & 21st March 2009
69. **Dr. B.V.R. Ravi Kumar**, “*Role of Concurrent Engineering in Product Life Cycle*”, Published in the proceedings of **International Conference on Total Engineering Analysis & Manufacturing Technologies (Team Tech 2008)**, held on 22nd – 24th September 2008
70. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Microstructure and Properties of Welded 65032 Aluminum Alloy*” **Journal of Indian Welding Society, Weld 5, Bead 3, March 2008, pp. 37 – 50. Regd No. 41817/2002**
71. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Micro – Hardness and Properties of Welded 65032 Aluminum Alloy*”, Published in the proceedings of **International Conference on Advances in Manufacturing & Technology Management (ICAMTM – 2007)**, organized by Department of Mechanical Engineering , Parshvanath College of Engineering, Thane (W), Mumbai , association with University of Mumbai, held on 18th – 20th January 2007, **pp.298 – 305.**
72. **B.V.R. Ravi Kumar**, “*Impact of Tribology and Boundary Lubrication*”, Published in the proceedings of **All India Seminar on Advances in Tribology and Maintenance**, organized by Mechanical Engineering Division Board of The Institution of Engineers (India), Indore Local Centre, Indore, held on 24th – 25th December 2007, **pp. 61 – 62.**
73. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*A comparative study of Welding Characteristics of Aluminum Alloy (65032) and Alloy Steel (15 CDV 6) using Pulsed and Non-Pulsed Current GTAW*”, **Journal of Aerospace Quality and Reliability, Vol. 2, No. 1, January 2006, pp. 33 -59.**
74. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Study of Welding Characteristics of 15 CDV 6 Alloy Steel Weldments using Pulsed and Non – Pulsed Current GTAW*”, Published in the proceedings of **International Conference on Quality and Reliability in Aerospace Systems (CONQUEST – 2006)**, organized by Research Center Imarat (RCI), Hyderabad, held on 15th – 17th January 2006, **pp. 239 – 253.**
75. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Microstructure Study of Weldments of 15 CDV6 Alloy Steel using Pulsed and Non – Pulsed Current GTAW*”, **Journal of Indian Welding Society, Weld 3, Bead 2, March 2006, pp. 33 – 40. Regd No. 41817/2002**
76. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Comparative Study of Welding Characteristics of 15 CDV 6 Alloy Steel using GTAW*”, **Journal of Aerospace Quality and Reliability, Vol. 2, No. 2, July 2006, pp. 55 -65**
77. **B.V.R. Ravi Kumar** , “*Static and Dynamic Analysis of Linear Positioner Structure Using Finite Element Analysis*”, Published in the proceedings of **International conference on Global Manufacturing and Innovation (GMI – 2006)**, organized by Coimbatore Institute of Technology jointly with University of Massachusetts – Dartmouth, USA, held on 27th – 29th July 2006, **pp. 1 – 9.**
78. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Micro-Hardness and Properties of Welded 15 CDV 6 Alloy Steel* ” Published in the proceedings of **International Conference on Recent Advantages in Manufacturing Process (RAMP – 2006)**, organized by Department of Metallurgical Engineering, PSG College of Technology in

collaboration with the Indian Institute of Metals, Coimbatore chapter, held on 15th – 16th December 2006.

79. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Effect of Pulsed Current GTAW on Porosity and Cracks in 65032 Aluminum Alloy Weldments*”, Published in the proceedings of **National Conference on Technological Advancements in Mechanical Engineering (TAME – 2005)**, organized by Department of Mechanical Engineering, Sreenidhi Institute of Science and Technology, Hyderabad, held on 2nd – 3rd December 2005, **pp. 20 – 27.**
80. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Experimental study of Welding Characteristics of 65032 Aluminum Alloy Weldments using Pulsed and Non – Pulsed Current GTAW*”, Published in the proceedings of **International Conference on Advances in Materials, Product Design & Manufacturing System (ICMPM – 2005)**, organized by Department of Mechanical Engineering, Bannari Amman Institute of Technology, Sathyamangalam, held on 12th – 14th December 2005, **pp. 492-500.**
81. **B.V.R. Ravi Kumar** and Dr. J.S. Soni, “*Experimental Study of Welding Characteristics of 15 CDV 6 Alloy Steel Weldments*”, Published in the proceedings of **National Conference on Advances in Joining Processes (NCAJP)**, organized by Department of Mechanical Engineering, Vasavi College of Engineering, Hyderabad, held in January 2004.
82. **B.V.R. Ravi Kumar**, “*Static Analysis of Linear Positioner Structure (LPS) using Finite Element Analysis*”, Published in the proceedings of National Seminar on “**Recent Advances in Mechanical Engineering (RAME-2004)**”, organized by Mechanical Engineering Department, K.K. Wagh College of Engineering, Nashik, held on 16th – 17th January 2004.

9. Administrative Experience :

1. Worked as a Principal of Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) , Visakhapatnam (Affiliated to JNTUK Kakinada, Approved by AICTE), from 23-04-2015 to 20-12-2017. Ratified by the JNTUK, Kakinada.
2. Worked as a Vice Principal – Vignana Jyothi Polytechnic (VJP) , from 09-10-2009 to 22-04-2015
3. Head, Competency Development Centre (CDC)

10. Member in committee

- Member in Board of Studies
- Member in Institute Academic Committee
- Member in M.Tech Project review Committee
- Member in UG Project Review Committee
- Member in Department Development Committee
- Department Research Committee
- Coordinator for DST-FIST



Dr B.V.R. Ravi Kumar with Ph.D. Students

Mr. A. Raveendra (2009 batch) and Mr. M.S. Srinivasa Rao (2010 batch)



Dr. B.V.R. Ravi Kumar presented the Progress Review of DRDO Project on 10-07-2014. Dr. G. Madhusudhan Reddy, Sc-G-DMRL, Hyd., Dr. V.V. Rao, Sc-G-ASL, Hyd., Dr. A. Subhananda Rao, Dean R & D-VNRVJiet and Prof. P. Raja Rao-Professor & Head of Mechanical Engineering VNRVJiet were attended



First Show & Tell activity of Mr. M.Srivastava-2011 batch
M.Tech Student his M.Tech Project at Panda
Punnaiah Square on 08-07-2014



Dr B.V.R.Ravi Kumar With Dr. HeeJin Kim, Director
, Reliability Assesment Centre for Metallic
Materials/Advanced Welding & Joining R & D
Group, Korea Institute of Industrial Technology,
South Korea, on 9th – 11th April 2014 in IIWIC14 at



Dr B.V.R.Ravi Kumar With Dr R.S Parmar, Professor and Guest faculty IIT, Delhi, New Delhi in IIWIC2014 held on 9th -11th April at New Delhi

11. Administrative Experience:

- As a Principal of NSRIT ,have an experience to handle with personnel/council the Students / liaison the officials of University and other departments.
- Prepared the Strategic plan for 10 years 2015-25 of the NSRIT and submitted to the Management for implementation.
- Prepared documents and Participated in 3 JNTUK – FFC visits for Affiliation to the NSRIT
- Prepared the application and submitted to UGC for recognition under 2(f) status
- Prepared the documents and attended the AFRC meeting for Tuition fee hike in NSRIT to 50,200/- from academic year 2016-17.
- Prepared the NAAC- SSR and involved the NAAC peer team visit held on 03-05th August 2017.



Dr B.V.R.Ravi Kumar , Principal-NSRIT received the NAAC peer team Report from Dr. Vasant M. Chavan, Chairman NAAC team on Exit meeting held on 05-08-2017 - NSRIT

Contact Details

Email Id- ravirajmani1970@gmail.com ,

rajaravikumar_bv@vnrvjiet.in

Ph. No. : 9866004618/93988440123