

Name of Faculty Dr. P. V. R. Ravindra Reddy
 Designation Professor
 Nature of Job/Appointment Regular
 Date of Joining 10 – 07 - 1998
 E-mail Ravindrareddyivr_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical Engineering)	Awarded
PG	M. Tech. (Manufacture Engineering)	First
UG	B. E. (Mechanical Engineering)	First

Work Experience

Teaching 24 Years
 Research 12 years
 Industry 2 Years
 Others --

Area of Specialization Metal forming, welding, casting, Additive Manufacturing

- Professional Memberships
1. Member of Institute Engineers India (Membership No: M/134179/5)
 2. Member of Society of Automobile Engineers India (Membership No: 7110410232)
 3. Member of Society for Manufacturing Engineers (Membership No. LMSME 00411)

- Responsibilities held at Institution Level
1. Head of the Department from 01.06.2020 to till date
 2. Chairman, Board of Studies from 2020 to till date
 3. Management Representative for implementation of ISO 9001:2015 standards from the 06.02.2020 onwards
 4. Coordinator for implementation of ISO 9001:2000 standards from the year 2000 - 2019

- Responsibilities held at Department Level
1. Member, Board of Studies from 2017 to 31 May 2020
 2. Incharge Welding lab from 2005 onwards
 3. NBA coordinator for the programmes B.E (Mechanical), B.E (Production) and M.E (CAD/CAM) from 2003 to 2020

Research Guidance 04 Research Scholars work is in progress

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Theory of Elasticity and Plasticity, Metal Casting and Welding, Manufacturing Processes, Engineering Drawing, Metal Forming Technology, Material Science, Modern Machining Processes

No. of Papers Published National Journals – 36 International Journals – 05
 National Conference – 18 International Conference – 06

Projects Carried out	<p>Completed a research project "Optimization of process parameters for additive manufacturing of defense components" with financial assistance of Rs 9,95,000/- sanctioned by RCI, Hyderabad in 2019-2021</p> <p>Completed a research project "Simulation Studies on the Explosively Formed Projectiles", A sponsored project of PGAD, DRDO worth of 9.7 lacs in 2013</p>
Patents	<p>Control of pollutant levels of insulated diesel engine operated with CNG Date of filing application 06/07/2022, Date of publishing- 15/07/2022, Application No. 202241038958 A and ethanol</p> <ol style="list-style-type: none"> 1. Highly compact cost-effective RO/Nanofiltration system Technology Transfer with varying capacities of 50-200 LPH for the small helmets. 2. Novel low-cost cascaded RO System for Production of Zero TDS Water
Technology Transfer	
Invited Speaker	--
No. of Books/Chapter Published with details	<p>"Introduction to Operations Research" publisher Notion Press</p> <ol style="list-style-type: none"> 1. Convener for one-week National level Faculty Development Programme on "Industry 4.0 - A Vision of Design and Manufacturing" organized by MED, CBIT during 16th to 20th June, 2020 2. Co-convener for a 2-day workshop on 'Recent Trends in Manufacturing Engineering' 2013' organized on 29th and 30th July 2013 at CBIT, Hyderabad. 3. Coordinator, for A Two week, AICTE-ISTE short term programme on "Advanced Metal Working Techniques & finite element simulations in Metal forming" Organized by Department of Mechanical Engineering, CBIT, Hyderabad from 30th June to 11th July 2003 4. One week online FDP on "Effective Research writing using LaTeX" organised by Pragathi Engineering College in association with Spoken Tutorial IIT, Bombay, during 22nd to 27th June 2020 5. One week Faculty Development Programme on "innovative teaching Pedagogy in the technical institutions" organized by internal quality assurance cell, MVPS KBT college of Engineering, Nasik during 1st June to 5th June 2020. 6. One week Faculty Development Programme on "Outcome based education and NBA accreditation process-UG" organized by CBIT from 28.05.2020 to 01.06.2020. 7. One week AICTE Recognized Faculty Development Programme on "Recent Advances in Material Characterization" organized by NITTR, Chandigarh from 23.05.2020 to 28.05.2020. 8. One week FDP on "Outcome Based Education : A Step Towards Excellence" conducted by Govt. Engineering college, Karad, Maharashtra from 11th to 15th May 2020. 9. One week ATAL FDP on ROBOTICS (AOJPR057), conducted by National Institute of Technical Teachers Training & Research, Chandigarh from MAY 2nd to 6th May, 2020 . 10. A Three day work shop on "NAAC Assessment and Accreditation- A Step by Step Process" organized by Gates Institute of Technology, Ananthapur during 28.05 2020 to 30.05.2020 11. National E-conference on "Recent trends in Computer Engineering and Applications"(NCRAC-2020)" organized by Jagadamba college of Engineering and Technology, Yavatmal, Maharashtra on May 24th 2020 12. One day workshop on "Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop" organised by IIT , Mumbai on 23 May 2020

13. Two Day All India Seminar on “Recent Trends in Automation and Digital Manufacturing” organized by The Institution of Engineers (India) Telangana State Centre under the aegis of Production Engineering Division Board of IEI during 23rd – 24th September 2019

Details of Journal Publications/
Conferences (National and
International)

International/National Journals from the year 2017

1. B.V.S. Rao, G.Chandra Mohan Reddy, G. Krishna Mohana Rao, PVR. Ravindra Reddy, Numerical Analysis On The Effect Of Various Parameters On Fracture Limit For Deep Drawn Cups, Materials Today: Proceedings, Volume 5, Issue 1, Part 12018, Elsevier publications Pages 1387-1400
2. K.Anakamma, P.V.R.Ravindra Reddy,” Linear Regression Analysis with one parameter for the Estimation of Ultimate Tensile Strength for the TIG welded Al-65032”International Journal of Mechanical Engineering, vol7, No 5, May 2022, ISSN 0974-5823, pp.1113-1117
3. P.V.R.Ravindra Reddy, K.Anakamma”Design of FLC with Mamdani Approach for the Estimation of weld ductility of MIG welded Al-65032 Alloy”, International Journal of Mechanical Engineering, ISSN 0974-5823. Vol 7 N.6 June 2022, pp 210-220.
4. Dr.P.Prabhakar Reddy, Dr .P.V.R.Ravindra Reddy, V Sandya,N.Jyothirmayi, V.Jayapal Reddy “Nurturing Entrepreneurial approach among young minds in higher Technical Educational Institutions”Gradiva Review Journal, Vol.8 Issue 6, 2022, ISSN 0363-8057, pp 130-134.
5. P.Radha Krishna Prasad, P.V.R.Ravindra Reddy “Development of a Fuzzy Logic Controller for the Estimation of Ultimate Tensile Strength for the TIG welded Al-65032” , International Journal of New Innovations in Engineering and Technology, ISSN: 2319-6319, Volume 13 Issue 3 April 2020 pp. 93-100.
6. B. Veera Jyothi, L. Suresh Kumar, P.V.R. Ravindra Reddy “Design Of An Flc Using Mamdani Approach For The Estimation Of Weld Ductility Of MIG Welded Al-65032 Alloy” International Journal Of Computer Engineering And Applications, Volume- 14, Issue - Special Issue, June 2020, ISSN 2321-3469
7. G.Chandra Mohan Reddy, P.V.R.Ravindra Reddy, “Design and Development of a Fuzzy Logic Controller for Prediction of ductility of TIG welded Al-65032 Specimens” The International journal of analytical and experimental modal analysis Volume XII, Issue V, May/2020 ISSN NO:0886-9367 Pp.445-448
8. K. Anakamma, P.V.R. Ravindra Reddy “Use of Orthogonal Arrays in Design of a Fuzzy Logic Controller to Predict the Proof Stress for the TIG Welded Al-65032” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-7, May 2020 pp.996-1001. Retrieval Number: G5857059720/2020@BEIESP DOI: 10.35940/ijitee.G5857.059720 (Scopus indexed)
9. P.Prabhakar Reddy, P.V.R. Ravindra Reddy, "Design Of A Fuzzillogic Controller For The Prediction Of Impact Toughness Of The TIG Welded Al-65032 With Reduced Database ", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 2, Page No pp.311-315, May 2020, Available at : <http://www.ijrar.org/IJRAR19L1429.pdf>
10. G.Chandra Mohan Reddy, P.V.R.Ravindra Reddy, “Design and Development of a Fuzzy Logic Controller for Prediction of ductility of TIG welded Al-65032 Specimens” The International journal of analytical and experimental modal analysis Volume XII, Issue V, May/2020 ISSN NO:0886-9367 Pp.445-448
11. B. Veera Jyothi, L. Suresh Kumar, P.V.R. Ravindra Reddy “Design Of An Flc Using Mamdani Approach For The Estimation Of Weld Ductility Of MIG Welded Al-65032 Alloy” International Journal Of Computer Engineering And Applications, Volume- 14, Issue - Special Issue, June 2020, ISSN 2321-3469
12. K. Anakamma, P.V.R. Ravindra Reddy “Use of Orthogonal Arrays in Design of a Fuzzy Logic Controller to Predict the Proof Stress for the TIG Welded Al-65032” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-7, May 2020 pp.996-1001. Retrieval Number: G5857059720/2020@BEIESP DOI: 10.35940/ijitee.G5857.059720 (Scopus indexed)
13. P.Prabhakar Reddy, P.V.R. Ravindra Reddy, "Design Of A Fuzzillogic Controller For The Prediction Of Impact Toughness Of The TIG Welded Al-65032 With Reduced Database ", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 2, Page No pp.311-315, May 2020, Available at : <http://www.ijrar.org/IJRAR19L1429.pdf>
14. P.Prabhakar Reddy, P.V.R. Ravindra Reddy “A Novel Approach To Measure Course And Programme Outcomes And Expediting Teaching Learning Process -A Sample Study”, international journal of scientific & technology research Volume 9, Issue 04, April 2020, ISSN 2277-8616. Pp2551-2554 (Scopus Indexed)
15. P.V.R Ravindra Reddy, G.Chandra Mohan Reddy, B.V.S Rao, G.Laxmaiah “Effect of Various Parameters

16. on the Bead Geometry and Flexural Strength of MIG Welded Joint” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020 pp 555-559. (Scopus indexed)
17. Dr.G.Laxmaiah, Dr.P.V.R.Ravindra Reddy, Dr.S.Soloman Ray, “Experimental Studies On Optimization Of Molding Sand Composition With Tamarind Kernel Powder As Additive” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001
18. Dr.P.V.R Ravindra Reddy, Gollapalli Kiran Kumar, Dr.G.Chandramohan Reddy, Dr.P.Prabhakar Reddy “Experimental studies on the effect of liquid nitrogen cooling on the machining forces for machining of mild steel and tools steel specimens”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 14, Number 8 (2019) pp. 1970-1975.
19. Dr. P.Prabhakar Reddy, Dr. P.V.R.Ravindra Reddy, Dr. A.A.Sriramkrishna and Dr. N.V.Srinivasulu “Taguchi Parameter Design for MIG Welding of Al-65032 Alloy in as Weld Condition” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 11 (2018) pp. 9394-9402 (Scopus indexed)
20. P.V.R.Ravindra Reddy, A.A. Sriramakrishna, “Numerical Analysis on Influence of Various Parameters and their Interactions on Drawability of Cylindrical cups”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Issue 2, Feb 2018, Pp.443-440 (Scopus indexed)

