

Mr. K. P. V. Krishna Varma



Designation : Assistant Professor,
Department of Mechanical Engineering

Qualification : M. Tech, (Ph. D)

Experience : 15 Years

Specialization : Mechanical Engineering
(Energy Systems)

Date of Joining : 17-06-2013

Contact Number : 9515624531

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varmamtech2005@gmail.com

ORCID iD : **0000-0002-2518-813X** [Link](#)

JNTUH Registration Number : **6225-150502-172005**

Academic Qualifications:

- **Pursuing Ph.D** (Mechanical Engineering) from **Andhra University, Visakhapatnam**, Andhra Pradesh (Registered in 2014).
- M. Tech (Energy Systems) in August 2005 from **JNTU College of Engineering**, Ananthpur, Andhra Pradesh.
- B. Tech (Mechanical Engineering) in May 2003 from **JNTU, Hyderabad**.
- Qualified in Faculty Eligibility Test (FET) – 2014 Conducted by JNTU Hyderabad.

Work Experience: 07 Years Teaching Experience +07 years Industry

- Presently Working as Assistant Professor in Department of Mechanical Engineering in C M R College of Engineering & Technology, Hyderabad from 17-06-2013 to till date. (06 Years)
- Worked as Associate Professor in Department of Mechanical Engineering in Maheshwara Institute of Technology, Hyderabad from August'2012 to April 2013. (01Year)
- Worked as O & M Engineer in Navayuga Engineering company, Visakhapatnam from 6th May 2010 to 15th July 2012 (2 Years)
- Worked as junior engineer in TCI Sea Ways limited, Chennai from 19th September 2006 to 21st July 2009. (3 Years)
- Worked as Junior Engineer in Ocean sparkle Limited, Kakinada from 1st February 2006 to 21st July 2009. (2 ½ Years)

Courses Taught:

- Metallurgy & Material Science
- Power Plant Engineering
- Machine Tools
- Production Technology
- Refrigeration & Air Conditioning
- Thermodynamics
- Thermal Engineering-I
- Engineering Drawing
- Instrumentation and Control Systems
- Automobile Engineering

Achievements/Publications/Workshops/Seminar/Guest Lectures

Journal Publications/Conference Presentations: 15

International Journals:

1. K.P.V.K. Varma, Shaik Rifshu Hussain, Srinivash Anand, C. Lavanya, "Optimization of Weld Bead Geometry of C263 Nimonic Alloy Electron Beam Weld Joints", Lecture Notes on Multidisciplinary Industrial Engineering, Advanced Manufacturing and Materials Science, Springer Nature, ISSN 2522-5022, Pg: 177-190 (**Scopus Indexed**) [Link](#)
2. K.P.V. Krishna Varma, P.S. Kishore, P. V. Durga Prasad, "Enhancement of Heat Transfer using Fe₃O₄/Water Nanofluid with varying cut radius Twisted Tape Inserts", International Journal of Applied Engineering Research, ISSN 0973-45 Volume 12, Number 18 (2017) pp. 7088-7095. (**Scopus Indexed**) [Link](#)
3. K.P.V. Krishna Varma, P. S. Kishore, Tulasi Tirupathi, "CFD Analysis for the Enhancement of Heat Transfer in a Heat Exchanger with Cut Twisted Tape Inserts", SSRG International Journal of Mechanical Engineering (SSRG-IJME) –Special Issue May -2017, Pg: 146-152. (**Thomson Reuters Indexed**) [Link](#)
4. K.P.V.K Varma, K.Siva Satya Mohan, S. K. Bhatti, "CFD Analysis of Rectangular Jet Impingement Heat Transfer on Flat Plate Using Nano fluids", CMR Journal of Engineering and Technology Vol.2 Issue.1 June, 2017, pp. 20-28. [Link](#)
5. K.P.V. KrishnaVarma, S. Shyam Kumar," Evaluation of Thermal Contact Resistance In Continuous and Discontinuous Brass Rods", International Journal Of Core Engineering & Management (IJCEM) Special issue, ICCENT-2015, ISSN: 2348 9510, Pg: 388-401. [Link](#)

6. K P V Krishna Varma, N Chakravarthi, K Vijaya Kumar Reddy, “Electronic Powered Turbo Charger”, International Journal of Mechanical Engineering, Research and Technology, ISSN 2454 – 535X, Vol. 1, No. 1, August 2015, Pg:35-39.
7. K.P.V.K. Varma, K Siva Satya Mohan, Dr. S. K. Bhatti, “Periodic Simulation for Heat Transfer Applications Using CFD”, International Journal of Engineering Research & Technology, ISSN: 2278-0181, Vol. 2 Issue 12, December – 2013, Pg; 241-253. [Link](#)
8. K. P. V Krishna Varma, K. Siva Satya Mohan, “An Experimental Investigation On Diesel Engine With Palmstearin-Diesel Blends At Different Injection Pressures”, International Journal of Engineering Research & Technology, ISSN: 2278-0181, Vol. 2 Issue 4, April – 2013, Pg: 2392-2397.

International Conferences: 3

1. K.P.V. Krishna Varma, N. Chakravarthi, M. Raj Kumar Nayak, “Optimization Of Process Parameters Of An Engine Radiator Using Taguchi Method”, Proceedings of 1st International Conference on Advances in Mechanical Engineering ISBN: 978-81-923800-1-8, 21st & 22nd December, 2018, Pg: 149-157.
2. K.P.V. Krishna Varma, B.Naresh Kumar, V.Sumanth, “Analysis of Various Epoxy composites for replacement of Alloy wheel Rim of a car”, ISBN: 978-93-85100-86-4, 1st International conference on Innovations in Mechanical Engineering, January 2018, Pg: 203-209.
3. K. P. V. Krishna Varma, Shaik Rifshu Hussain, Srinivash Anand, C. Lavanya,” Optimization of Weld Bead Geometry of C263 Nimonic Alloy Electron Beam Weld Joints” International Conference on Advanced Manufacturing and Materials Science, Springer Nature, ISBN 978-3-319-76276-0, Pg: 177-190

National Conferences: 4

1. K.P.V Krishna Varma, Maloth RajKumar Nayak, “CFD Analysis of Powder Coating Booth”, National Conference on Emerging Trends in Mechanical and Chemical Engineering, ISSN: 2457-0931, (NCETMCE-2K19), Pg: 56-59.
2. K.P.V.Krishna Varma, P.S.Kishore, P.V.Durga Prasad, K.Siva Satya Mohan, “Effect of Shape of Cut in Twisted Tape Turbulators on Enhancement of Heat Transfer Characteristics”, National Conference on Technological Advancements in Mechanical Engineering, 22nd & 23rd July 2016, ISBN : 978-93-85100-57-4, Pg:374-382.
3. K P V K Varma, K.Siva Satya Mohan, S.K.Bhatti, K.Venkateswarlu,” Comparative Analysis of Rectangular Jet Impingement Heat Transfer on Flat Plate Using CFD”, National Conference on Technological Advancements in Mechanical Engineering, 22nd & 23rd July 2016, ISBN : 978-93-85100-57-4,Pg:364-368.

4. K.P.V.Krishna Varma, "Performance evaluation of oscillating combustion in fuel fired furnace" in National conference on advances in Mechanical Engineering(NCAME2014) on 24th and 25th January 2014

Workshops and FDP's Attended

1. One week Faculty Development Program on Advances in computational Fluid Dynamics: Methods and Applications using MATLAB and ANSYS Fluent from 06-05-2019 to 11-05-2019 organized by E& ICT Academy, NIT Warangal, Warangal.
2. One-week Faculty Development Program on Optimization of process parameters by Linear Regression using MATLAB-Research Focus from 13-05-2019 to 18-05-2019 organized by CMRTC, Hyderabad.
3. One week Faculty Development Program on Faculty Development programme on statistics and data analysis for engineers and researchers from 27-05-2019 to 01-06-2019 organized by E& ICT Academy, NIT, Warangal.
4. One week Faculty Development Program on "Adoption of Foss for Effective Teaching and Learning in Engineering" held at CMR College of Engineering & Technology, Hyderabad from 18th to 23rd June, 2018.
5. Two week Faculty Development Program program on "Computer Aided Design and Analysis" organized by CMR College of Engineering & Technology, from 4th to 18th June, 2018.
6. Short Term Training program on Advancements in Thermal Engineering(ATE-2018) organized during 19th to 24th Feb, 2018 organized by GokaRaju Rangaraju Institute of Engineering and Technology, Hyderabad.
7. One week Faculty Development Program on Engineering Graphics held from 24th to 29th July, 2017 organized by CMR College of Engineering & Technology, Hyderabad.
8. One day national workshop on "A review on Heat Transfer" on 30th June, 2017 held at Andhra University college of Engineering (A), Visakhapatnam.
9. Two week Faculty Development Program on Current Trends in Materials and Manufacturing from 15th to 27th May 2017 organized by CMR College of Engineering & Technology, Hyderabad.
10. One week Faculty Development Program on "Thermal and Fluids Analysis: CFD Approach(TFA-2017) organized during 27th Feb to 4th Mar 2017 under TEQUIP-II by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.

11. Three day premier National Level Development programme on “ Research trends and issues in Mechanical Engineering” under TEQUIP-II on 25th ,26th & 27th February 2016 organized by the Department of Mechanical Engineering, Malla Reddy Engineering College, Secunderabad.
12. A three day Faculty Development Program on “Computational Fluid Dynamics and its Applications in Engineering” Jointly organized by JNTUH college of Engineering and AlHabeeb College of Engineering & Technology. Hyderabad during 19-21 January 2016.
13. One week Faculty Development Program on “Applications of CFD in Thermal Fluids Engineering” from 29-02-2016 to 06-03-2016 organized by CMR Engineering College, Hyderabad.
14. Six day Faculty Development Program on “Hyper works and Computational Fluid Dynamics” conducted by St Martin’s Engineering College from 5th to 10th December,2016.
15. Faculty Development Program on CFD in Thermal –Fluids Engineering conducted at CMR Engineering College, Hyderabad from 29thFeb to 02nd March, 2016.
16. 3 day workshop on Additive Manufacturing held at Gokaraju Rangaraju institute of Engineering and Technology, Hyderabad from 25th to 27th March 2015.
17. 3-day Faculty Development Program on “Advancements in MEMS and NEMS Technologies” organized during 19-21 November 2015 under TEQUIP II by Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.
18. One Week Faculty Development Program on “Finite Element Analysis and practices through ANSYS” organized by Geethanjali College of Engineering and Technology, Hyderabad from 3th Nov to 5th Dec, 2015.
19. One - Week Faculty Development Program On “Auto Desk Inventor and Fusion 360”, organized CMR College of Engineering & Technology, Hyderabad from 27.11.15 to 03.12.15.
20. One-Week Faculty Development Program on ‘Application Of CAD Tools In Engineering Drawing’ organized by CMR College of Engineering & Technology, Hyderabad from 27.01.2015 to 03.02.2015.
21. Workshop on “Energy System, Energy Efficiency and Energy conservation held on 20th December 2012 at Sagar Institute of Technology, Hyderabad .

Memberships in Professional Societies:

Member of International Association of Engineers (**Member No. 223849**)