

Dr. P.V. Vinay

54-12-11, Vidya Nagar, H.B.Colony, Visakhapatnam, Andhra Pradesh, India.
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Objective

To pursue research and to educate the youth of the nation with values, technology and discipline to enable them choose their endeavour's.

Experience

Worked as Assistant Professor in the Department of Mechanical Engineering, GVP College of Engineering (Autonomous) from November 2002 to August 2011.

Worked as Associate Professor in the Department of Mechanical Engineering, Gayatri Vidya Parishad College for Degree and PG Courses from August 2011 to July 2018.

Working as Professor in the Department of Mechanical Engineering, Gayatri Vidya Parishad College for Degree and PG Courses since July 2018.

Subjects Handled

Thermodynamics, Thermal Engineering, Automobile Engineering, Metallurgy and Material Science, C, OOPS Through JAVA, DBMS, Non Conventional Energy Sources, Manufacturing Technology, Engineering Graphics, Machine Drawing, Production Drawing.

Education

Apr 1994 to Apr 1998 [Nagarjuna University, Andhra Pradesh, India], Bachelor's in Technology with a specialisation in Production Engineering.

Apr 2003 to Apr 2005 [Andhra University, Andhra Pradesh, India], Master's in Engineering with a specialisation in Heat Transfer in Energy Systems.

2015 [Andhra University, Andhra Pradesh, India], Doctor of Philosophy in Mechanical Engineering.

Papers Presented/Published

1. Subrahmanyam S.V, **Vinay P V**, "Reduction of Rejection Using Statistical Quality Control (SQC) in Machined Components", 3rd INTERNATIONAL AND 24th AIMTDR, Visakhapatnam, 13-15 December 2010.
2. Sesha Pallavi Indrakanti, **Venkata Vinay Pragada**, Avadhani P S, "MULTIPLE IMAGE SECRET SHARING SCHEME", SEDE-2011, Las Vegas, USA, June 20-22, 2011.
3. **Vinay P V**, "MODIFIED SAVONIUS ROTOR FOR DOMESTIC POWER PRODUCTION", International Journal of Engineering Science and Technology (IJEST), Vol. 4, No.07, 2012.
4. **P. V. Vinay**, Ch. Srinivasa Rao, "Influence of Process Parameters on Grinding-A Review", Trends of Mechanical Engineering & Technology, Vol. 3, issue. 2, 2013, pp. 16-28.
5. **P. V. Vinay**, Ch. Srinivasa Rao, "Grinding Mechanics and Advances-a review", Journal of Mechanical Engineering and Technology, Vol. 5, issue. 2, 2013.
6. K. Pavan Kumar, **P.V.Vinay**, R.Siddhardha, "Thermal and Structural Analysis of Tree Shaped Fin Array", International Journal of Engineering Research and Applications, ISSN : 2248-9622, Vol. 3, Issue 6, Nov-Dec 2013, pp.01-05.

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7. **P.V.Vinay**, Ch. Srinivasa Rao, I.H. Nagaraja Rao, Novel Force Modelling Technique for Grinding, Journal of Manufacturing Science and Production, 2014, 14(3), pp 177-182.
8. K. Pavan Kumar, **P. V. Vinay**, R. Siddhardha, "CFD Analysis of Tree Shaped Fin Array on Flat and Symmetrical Wedge Shaped Base Plate", Journal of Thermal Engineering and Applications, Vol.1, Issue 1, Jan-2014, pp.1-6.
9. Varaprasad Bh, Srinivasa Rao Ch, **P.V. Vinay**, Effect of Machining Parameters on Tool Wear in Hard Turning of AISI D3 Steel, Procedia Engineering, 97(2014), pp.338-345.
10. Pavan Kumar Konchada, **Venkata Vinay Pragada**, Himagireesh Chigurupalli, Augmentation of Heat Transfer in a Trough Shaped Solar Collector Compared to Flat Plate Collector Using CFD, Journal of Thermal Engineering and Applications, 2014,1(3), pp.1-7.
11. **P.V. Vinay**, Ch. Srinivasa Rao, Experimental Analysis and Modelling of Grinding AISI D3 Steel, International Journal of Recent Advances in Mechanical Engineering, 2015, 4(1), pp.47-60.
12. **P.V. Vinay**, Ch. Srinivasa Rao, Temperature Assessment in Surface Grinding of Tool Steels, Journal of Mechanical Science and Technology, 29 (11) (2015), pp.4923-4932.
13. Varaprasad Bhemuni, Srinivasa Rao, Chalamalasetti, Pavan Kumar Konchada, **Venkata Vinay Pragada**, Analysis of hard turning process: thermal aspects, Advances in Manufacturing, 3(4), 2015, pp.323-330.
14. P. Konchada, P. Dheeraj, **P.V. Vinay**, S. Purnima, Experimental Analysis on Longitudinal Finned Tube Heat Exchanger and Numerical Investigation on Parameters that Accrue the Overall Heat Transfer Coefficient, Journal of Thermal Engineering and Application, 3(1), 2016, pp.29-41.
15. Pavan Kumar Konchada, **Vinay PV**, Varaprasad Bhemuni, Statistical analysis of entropy generation in longitudinally finned tube heat exchanger with shell side nanofluid by a single phase approach, Archives of Thermodynamics, 37(2), 2016, pp 3–22.
16. Pavan Kumar Konchada, **Venkata Vinay Pragada**, Anil Kumar Chintada, Varaprasad Bhimuni, Optimization of Machining Parameters using Micro NSGA-II for AL6061-Silver Coated Copper Metal Matrix Composite, 16-18 December, 6th International and 27th All India Manufacturing, Technology, Design and Research conference (AIMTDR 2016).
17. Ch.Hima Gireesh, K.G.Durga Prasad, K.Ramji, **P.V.Vinay**, Mechanical Characterization of Aluminium Metal matrix Composite Reinforced with Aloevera powder, 17-19, March, 7th International Conference of Materials Processing and Characterization(ICMPC 2017).
18. Varaprasad Bhemuni, Srinivasa Rao, Chalamalasetti, Pavan Kumar Konchada, **Venkata Vinay Pragada**, "Experimental Cae Evaluation and Optimization of Hard Turning of AISI D3 Tool Steel", Journal of Mechanical Engineering Research and Development, 2017, 40(2):pp349-356.
19. K Pavan Kumar, **PV Vinay**, M Anil Kumar, Ch Anil Kumar "Investigation on Al6061 Silver Coated Copper Metal Matrix Composite in Pre and Post Heat Treated Condition" Indian Journal of Science and Technology, 2017,10(29).
20. **P.V. Vinay**, Ch. Srinivasa Rao, Pavan Kumar Konchada, An Analysis of Cutting Force and Surface Finish in Surface Grinding of AISI H13 Steel, Journal of Mechanical Engineering Research and Developments, Vol. 41, No. 1, 2018, pp. 177-189

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21. Pavan kumar konchada, MA Kumar, **P.V. Vinay**, C.A. Kumar "Experimental Investigation on Al6061 Silver Coated Copper Metal Matrix Composite Circular Extended Surfaces Pre and Post Heat Treatment" Journal of Thermal Engineering, 2018, 4(2), Special Issue 7,pp.1813-1820.
22. R.Siddhardha, P.V.Vinay, M. Sumanth Sekhar, "Constructal design of Array of Tree shaped Heat Sink", International Journal of Research in Advent Technology, Vol.6, No.10, October 2018.

Seminars/Workshops/Trainings Attended

1. Online Examination Training held at jnt univeristy, hyderabad by sdc sit examination branch from 12th-13th december 2005.
2. Seminar on CAE Centric approach to product design held at GVP College of Engineering by CRANES software on 25th August 2008.
3. Staff Developement Programme on Industrial Network Management at GVP College of engineering for women from 2nd to 15th March 2010.
4. Workshop on Insight into Nanotechnology at Andhra University College of Engineering (Autonomous), 8th and 9th July 2010.
5. Workshop on Vedic Mathematics held at GVP College of Engineering by Institute of Scientific Research on Vedas (I-SERVE), Hyderabad, on 26th Feb 2011.
6. AICTE sponsored two day national seminar on Manufacturing Automation Present and Future, at Anil Neerukonda Institute of technology and sciences, Visakhapatnam, on 13th and 14th December 2013.
7. National Workshop on Emerging Trends in Quality of Engineering Education The Road Ahead, at G.V.P. College of Engineering (Autonomous), Visakhapatnam, on 28th and 29th April 2015.
8. Three day National Workshop on Computational Methodologies in Mechanical Engineering at GVP College for Degree and PG Courses, Visakhapatnam on 9th to 11th March 2017.

Seminars Organised

1. Organised and chaired a session in National level Student seminar on mechanical engineering IMPETUS 2007, at GVP College of Engineering.
2. Organised and headed a national level student seminar on mechanical engineering IMPETUS 2009, at GVP College of Engineering.
3. Organised and chaired a session in the national student seminar EKATRA 2010, at GVP College of Engineering.

Projects Guided

Guided 16 B.Tech., and 4 M.Tech Projects.

Some of the Salient ones being "a solar powered car" in 2008, "solar powered boat" in 2009, "indigenous vehicle for grass cutting at a stadium" in 2010, "Wind powered Electricity generator" in 2011, Measurement of inclusions, tool wear and grit size using a software based evaluation methodology in 2015, Vertical Axis Wind turbine for illuminating the highways in 2017.