

# RESUME

**PAVAN KUMAR KONCHADA** B.Tech (Mechanical), M.E. (Heat Transfer), A.M.I.E.

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## Experience

Working as Assistant Professor in GVP College for Degree and PG Courses School of engineering, Mechanical Engineering Department since **October 2012** (Experience: 4.5years)

Worked as software analyst at INTERGRAPH Solutions Pvt. Ltd., from June 2009 to December 2009.

## Software Skills:

- 1 Designing Software: **CATIA P3 V5R19, Auto CAD.**
- 2 Simulation Software: **Ansys CFX, Ansys Fluent, Ansys Static Structural, Ansys Explicit Dynamics, DEFORM 3D**
- 3 Statistical Software: **MiniTab 16,Matlab**

## Papers Presented/Published in Journal Publications:

1. Pavan Kumar Konchada et.al, "Statistical analysis of entropy generation in longitudinally finned tube heat exchanger with shell side nanofluid by a single phase approach", Archives of Thermodynamics AoT, Vol. 37(2016) No. 2. pp.3-22  
**[Scopus]**
2. K.Pavan Kumar et.al, "Numerical Investigation and Statistical Analysis on Tree Shaped Fin for Natural Convection" Interantional Journal Of Current Engineering and Technology,INPRESSCO, Vol 6 ,issue3 pp -862-868.
3. K.Pavan Kumar et.al, "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 Applications, Vol3 Issue 1,pp 29-41

4. K.Pavan Kumar et.al,"Analysis of Hard Turning-Thermal Aspects" Journal of Advances in Manufacturing,vol 3 issue 4,pp-323-330. **[Scopus]**
5. K.Pavan Kumar et.al, "Optimization of Performance of Shell and Tube Heat Exchanger with Nano fluid as Working Fluid" Journal of Fluid Mechancis Vol 2 ,Issue 2 , July-2015,pp. 18-25
6. K. Pavan Kumar et.al, "Augmentation of Heat Transfer in a Trough Shaped Solar Collector Compared to Flat Plate Collector Using CFD ", Journal of Thermal Engineering and Applications, Vol.1, Issue 3, Jan-2014, pp.1-7.
7. K. Pavan Kumar et.al, "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
8. K. Pavan Kumar et.al, "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. Impact Factor:1.7

#### **Papers Accepted in Conferences:**

1. K.Pavan Kumar et.al, " Optimization of Machining Parameters using Micro NSGA-II for Al-6061 Silver coated Copper Metal Matrix Composite" 6<sup>th</sup> International Conference, AIMTDR 2016.
2. K.Pavan Kumar et.al,"Increment of Heat Dissipation from Tree Shaped Fin Array By Splitting Air Flow Over The Fin" at NCRAME 14 (J.N.T.U. VIZIANAGARAM)

#### **Papers under Review:**

1. K Pavan Kumar et.al, "An Experimental and Comparative CFD study on intercooler with various fin configurations to augment the thermal Performance" Jordan Journal of Mechanical and Industrial Engineering
2. K Pavan Kumar et.al, "Optimization of Machining Process Parameters in Hard Turning of AISI D3tool Steel" Journal of Mechatronics and Automation.

#### **Workshops Attended:**

1. National Level Workshop on "E- Foundry: Casting and Simulation" at GITAM University on February 2014
2. "Emerging Trends in Teaching Methodolgy of Engineering Education" at Anil Neerukonda Institute of Technology and Sciences on March 2014

## **Subjects Taught:**

Engineering Thermodynamics, Thermal Engineering, Fluid Mechanics, Heat Transfer, Engineering Drawing and Manufacturing Technology II

## **Guest Lectures:**

- Delivered a lecture on Simulated Annealing Optimization Technique at Ramachandra College of Engineering on the event of national workshop “Computational Research on MATLAB”.

## **Labs Handled:**

Fuels Lab, Thermal Engineering lab II, Fluid Mechanics Lab, Heat Transfer Lab and CAD/CAM Lab

## **Personal Details:**

Date of Birth: 11<sup>th</sup> November 1986

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Mother: K. Pramila Rani

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