



RESUME

Smt. K.SANATHA

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ACADEMIC QUALIFICATIONS:

Qualification	College/school	University	Duration	Percentage/CGP
PhD (Pursuing)	Andhra University College of Engineering	Andhra University	2018(Regis tered)	---
M.E.(Thermal Engineering)	Andhra University College of Engineering	Andhra University	2011-2014	7.6(CGPA)
B.TECH (MECH)	G.V.P.College of Engineering	JNTU	2004-2008	70.82

TEACHING EXPERIENCE: (9 years)

- Working as Assistant Professor in School of Engineering, GVP College for Degree and PG Courses (Technical Campus) from August 2011 to till date.
- Worked as Assistant Professor at Baba Institute of Technology and Sciences (BITS) from March 2011 to August 2011.
- Worked as Assistant Professor at Sri Prakash Engineering College, Tuni, from November 2009 to September 2010.

SUBJECTS HANDLED:

Engineering Graphics, Basic Thermodynamics, Automobile Engineering, Power Plant Engineering, Fluid Mechanics and Machinery, Advanced Thermodynamics II

PUBLICATION OF ABSTRACTS IN PROCEEDINGS OF COFERENCES:

1. R.Siddhardha , S.K.Bhatti , **K.Sanatha** , D.Sai Chaitanya (2017): ‘Experimental Study and Comparison of Enhancing Heat Transfer through Open-Cell Metallic Foam and Solid Rectangular Fin Using CFD’, *Proceedings of the National Conference on Recent Advances in Mechanical Engineering (RAME)* held at Andhra University, Visakhapatnam, during 10-11, March.
2. K. Pavan Kumar, S. K. Bhatti, **K. Sanatha**, G. Hemanth Kumar (2017): ‘Thermal Optimisation of PCM based Pin Fin Heat Sink Using Ansys’, *Proceedings of the National Conference on Recent Advances in Mechanical Engineering (RAME)* held at Andhra University, Visakhapatnam, during 10-11, March.

PUBLICATION OF PAPERS IN JOURNALS:

1. Sanatha, K., Bhatti, S. K., & Jaikumar, S. (2021). Influence of ZnO Nanoparticle Dispersed Baheda Oil Biodiesel Blend in Variable Compression Ratio Diesel Engine: Vibration and Noise Assessment. *Journal of The Institution of Engineers (India): Series C*, 1-9.
2. R.Siddhardha , S.K.Bhatti , **K.Sanatha** , D.Sai Chaitanya (2017): ‘Experimental Study and Comparison of Enhancing Heat Transfer through Open-Cell Metallic Foam and Solid Rectangular Fin Using CFD’, *SSRG International Journal of Mechanical Engineering*, Special issue, pp.122-126.
3. K. Pavan Kumar, S. K. Bhatti, **K. Sanatha**, G. Hemanth Kumar (2017): ‘Thermal Optimisation of PCM based Pin Fin Heat Sink Using Ansys’, *SSRG International Journal of Mechanical Engineering*, Special issue, pp.127-132.
4. S.K Bhatti, R. Siddhardha, K.Pavan Kumar, **K. Sanatha** (2015), ‘Optimization of Performance of Shell and Tube Heat Exchanger with Al₂O₃ Nanofluid as Working Fluid’ *Recent Trends in Fluid Mechanics*, Vol.2, No. 2, pp.1-9.

FDP/STTP ATTENDED:

- Participated in **AICTE** sponsored 1 Week Online STTP on **Computational Fluid Flow Heat Transfer**, conducted by Department of Chemical Engineering, GVP college of Engineering (A), Madhurwada, held from 24-8-2020 to 29-08-2020.
- Participated in **AICTE** sponsored 1 Week Online STTP on **Fuel Cell Technologies for Hybrid and Electric Vehicles**, conducted by Department of Mechanical Engineering, MVGR College of Engineering(A), Vizianagaram, held from 17-8-2020 to 22-08-2020.
- Participated in Two week FDP on **CATIA**, conducted by APSSDC, Andhra Pradesh through online mode ,from 18-05-2020 to 30-5-2020.
- Participated in **AICTE** Two week FDP on **Advances in CFD Simulations of Thermal Systems**, conducted by Department of Mechanical engineering, GVP college of Engineering (A),Madhurwada held from 28-10-2019 to 8-11-2019.

FDP/STTP/WORKSHOP ORGANIZED:

- Organizing committee member Three day Online Workshop on **Electric Vehicles** in association with Altair, Conducted by the Department of Mechanical Engineering, Engineering and Technology Program, GVP College for degree and PG courses(A),Rushikonda held from 10-08-2020 to 12-08-2020.
- As Co-ordinator Organized a 1Week online FDP on **Alternate Fuels and Emissions –Present Scenario**, conducted by the Department of Mechanical Engineering, Engineering and Technology Program, GVP College for degree and PG courses(A),Rushikonda, held from 27-07-2020 to 31-07-2020.
- Organizing committee member Three day **National Workshop on Computational Methodologies in Mechanical Engineering**, Conducted by the Department of Mechanical Engineering, School of Engineering, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam during 09-3-2017 to 11-3-2017.
- Organizing committee member for Three day **Entrepreneurship Awareness Camp** (EAC) which is sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB); **Department of Science and Technology (DST)**, Govt. of India , conducted by the Department of Mechanical Engineering, School of Engineering, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam during 18-2-2016 to 20-2-2016.

WORKSHOPS/SEMINARS ATTENDED:

1. Participated in One day National Workshop on **A Review on Heat Transfer**, conducted by the Department of Mechanical Engineering, A.U.College of Engineering (A), held on 30.6.2017
2. Participated in Three day National Workshop on **Computational Methodologies in Mechanical Engineering**, Conducted by the Department of Mechanical Engineering, School of Engineering, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam, 09-3-2017 to 11-3-2017.
3. Participated in Two day National Workshop on **Automotive Technology Focused on Engine Technology and Vehicle Testing** conducted by VIT University, Vellore held on 08-01-2015 to 09-1-2015.
4. Participated in Two day National Workshop on **Campus Connect** conducted by Infosys Technologies Ltd., Hyderabad, held on 09-2-2010 to 11-2-2010.

SOFTWARE SKILLS:

- Mechanical Software: Auto Cad 2006 (Trained at IGIAT) ,Catia
- Designing Software: ANSYS-14,Auto CAD(Trained at IGIAT) , CATIA P3 V5R9
- Application Software: MS Office

OTHER INFORMATION:

- Ratified by Andhra University as Asst. Professor in the year 2015.
- Obtained “A” Certificate in NCC

PERSONAL PROFILE:

Date of Birth : 16 October 1986
Gender : Female
Marital status : Married
Languages Known : Telugu, English & Hindi
Permanent address : D/No 22-1-87,
Thummallapallivari Street,
Visakhapatnam – 530001
Andhra Pradesh