




P.E.S. College of Engineering, Mandya



Faculty Profile

General

Name	Mr. Pavan K N	
Designation,	Assistant Professor	
Department & Affiliated Institution	Department of Mechanical Engineering, P.E.S College of Engineering, Mandya – 571 401	
Research Area	Heat Transfer and Fluid Flow, CFD	
Contact Number	+91 99800 72268	
Email ID	pavankn@pesce.ac.in , pavankn1988@gmail.com	

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph. D.	Pursuing under Visveswaraya Technological University				
M. Tech	NMIT, Bengaluru	M. Tech	NMIT, Bengaluru	M. Tech	NMIT, Bengaluru
B. E	PESCE, Mandya	B. E	PESCE, Mandya	B. E	PESCE, Mandya

Research Achievements/Awards

Ph. D / M.Sc., Engg./M/Phil	Ph. D - Nil	M.Sc., Engg./M/Phil - 09
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Professional Experience

Organization & Department	Designation	Period	Total of Experience
NMIT, Bengaluru	Assistant Professor	02/08/2012 to 09/12/2017	5 Years 4 Months
PESCE, Mandya	Assistant Professor	11/12/2017 to Till Date	2 Years 9 Months

Report of Work for the Academic Year : 2019-20

Academics	Description of Academic records
Teaching Records (Details of courses taught)	Undergraduate: Basic Thermodynamics, Applied Thermodynamics, Fluid Mechanics, Turbo Machines, Heat and Mass transfer, Finite Element Method, Biomass Energy System, Renewable Energy Sources, Elements of Mechanical Engineering, etc.. Post Graduate (M. Tech): Theory of IC Engines, Engine Flow and Combustion, Non-conventional Energy Sources, etc..

Research Guidance (Ph.D /; Students awarded & pursuing)

Degree	Awarded	Pursuing
Ph. D	Nil	Nil
M.Sc Engg./ M/Phil	Nil	Nil

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Sponsored Research	--	--	--

Research Publications in Refereed Journals and Conferences

No. of Publications in	National	International
Journals	01	07
Conferences	01	06

Other Important Responsibilities held in the College

1. Coordinator for ARIIA (Atal Ranking of Institutions on Innovation Achievements)	4. Department MSME coordinator
2. Secretary for Mech. Engg Association Library	5. Department NBA co-coordinator
3. Coordinator for ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers)-Student Chapter	6. Coordinator for ICT
	7. Coordinator for My-Gurukul Academic Automation Software.

LIST OF PUBLICATION

- [1] P. Kattedoddi Nagaraju, Madhusudhan, C. Kedage Srikanth, and S. Govind, “Influence of rotating twisted tape turbulator and nanofluids on heat transfer characteristics in a tube,” *Energy Sources, Part A Recover. Util. Environ. Eff.*, vol. 00, no. 00, pp. 1–17, 2021, doi: 10.1080/15567036.2021.1912855.
- [2] K. N. Pavan, Madhusudhan, K. S. Chethan, and R. B. Sures, “Investigation on heat transfer augmentation in tubes with rotating twisted tape insert using water and copper oxide nanofluid as heat transfer medium,” *J. Crit. Rev.*, vol. 7, no. 17, pp. 1595–1600, 2020, doi: 10.31838/jcr.07.17.202.
- [2] K. N. Pavan, Madhusudhan, M. N. Sagar, and K. S. Chethan, “Augmentation of heat transfer in a duct with rotating turbulator using Al_2O_3 nanofluid,” *Int. J. Recent Technol. Eng.*, vol. 8, no. 3, pp. 3059–3062, 2019, doi: 10.35940/ijrte.C4865.098319.
- [3] K. N. Pavan, S. M. V. .S, Madhushudan, and H. C. Suhas, “Heat Transfer Enhancement in Heat Exchanger with Rotating Twisted Tape Insert Using Water and TiO_2 Nanofluid,” *Int. J. Eng. Sci. Comput.*, vol. 7, no. 11, pp. 15362–15365, 2017.
- [4] K. N. Pavan, P. R. Gatte, M. Chethankumar, and J. V Darshan, “Fabrication of Solar and Dynamo Power Driven Bicycle,” *Int. J. Sci. Eng. Res.*, vol. 9, no. 7, pp. 18–24, 2018.
- [5] D. M. K N Pavan, “Numerical Prediction for Fluid Flow and Heat Transfer in Ducts Using Twisted Tape,” *Int. J. Res. Aeronaut. Mech. Eng.*, pp. 335–343, 2017.
- [6] K. N. Pavan, S. Suresh, Madhusudhan, and S. Majumdar, “ Experimental Investigation on Enhancement of Heat Transfer Rate in Heat Exchangers using Plain and Punched Twisted Tape Inserts and Nanofluid Employing Al_2O_3 Particles ,” *Indian J. Sci. Technol.*, vol. 10, no. 25, pp. 1–6, 2017, doi: 10.17485/ijst/2017/v10i25/104684.