




P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	PAVAN KN	
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	VTU	2012	74.42	FCD
B.E	PESCE, Mandya	VTU	2010	70.36	FCD

Professional Experience

Organization and Department	Designation	Period	Total 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

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	<p><u>Undergraduate:</u> 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.</p> <p><u>Post Graduate (M. Tech-Thermal Power Engineering):</u> Theory of IC Engines, Engine Flow and Combustion, Non-conventional Energy Sources.</p>
--	---

Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

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

Number of Publications in	National	International
Journals	01	05
Conferences/Symposia	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

LIST OF PUBLICATIONS

1. Pavan K N, Madhusudhan, Chethan K S, Rahul B Suresh, “Investigation on heat transfer augmentation in tubes with rotating twisted tape insert using water and copper oxide nanofluid as heat transfer medium,” *Journal of Critical Reviews*, 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 Al₂O₃ nanofluid,” *International Journal of Recent Technology and Engineering*, vol. 8, no. 3, pp. 3059–3062, 2019, doi: 10.35940/ijrte.C4865.098319.
3. Pavan. K. N, Varun. S. M, Madhushudan, Suhas. H.C, “Heat Transfer Enhancement in Heat Exchanger with Rotating Twisted Tape Insert Using Water and TiO₂ Nanofluid,” *International Journal of Engineering Science and Computing*, vol. 7, no. 11, pp. 15362–15365, 2017.
4. Pavan K. N, Pralhad Reddy Gatte, Chethan kumar. M, Darshan. J. V, “Fabrication of Solar and Dynamo Power Driven Bicycle,” *International Journal of Scientific & Engineering Research*, vol. 9, no. 7, pp. 18–24, 2018.
5. Pavan K N, Dr. Madhusudhan, “Numerical Prediction for Fluid Flow and Heat Transfer in Ducts Using Twisted Tape,” *International Journal of Research in Aeronautical and Mechanical Engineering*, pp. 335–343, 2017.
6. K. N. Pavan, S. Suresh, Madhusudhan and Sekhar Majumdar, “Experimental Investigation on Enhancement of Heat Transfer Rate in Heat Exchangers using Plain and Punched Twisted Tape Inserts and Nanofluid Employing Al₂O₃ Particles ,” *Indian Journal of Science and Technology*., vol. 10, no. 25, pp. 1–6, 2017, doi: 10.17485/ijst/2017/v10i25/104684.