




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

(An Autonomous Institution, affiliated to VTU, Belagavi)

## Faculty Profile

### General

Name	<b>Dr. MAHENDRA BABU K J</b>	
Designation,	<i>Assistant Professor &amp; Deputy Controller Of Examination</i>	
Department & Affiliated Institution	<i>Department of Mechanical Engineering, P.E.S College of Engineering, Mandya – 571 401</i>	
Research Area	<i>Thermal Engineering</i>	
Contact Number	<i>+91 9448754666</i>	
Email ID	<i>babukjm1008@yahoo.com</i>	

### Academic Profile

#### Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
<i>Ph. D</i>	<i>P.E.S.College of Engineering, Mandya</i>	<i>V T U, Belagavi</i>	<i>2019</i>	<i>-</i>	<i>-</i>
<i>M.Tech</i>	<i>NITK, Surathkal</i>	<i>NITK, Surathkal</i>	<i>2008</i>	<i>8.11 CGPA</i>	<i>FCD</i>
<i>B.E.</i>	<i>P.E.S.College of Engineering, Mandya</i>	<i>University of Mysore</i>	<i>1994</i>	<i>71%</i>	<i>FCD</i>

#### Professional Experience

Organization and Department	Designation	Period	Total Experience
<i>P.E.S. College of Engineering, Mandya, Dept. of Mechanical Engg.</i>	<i>Temporary Lecturer</i>	<i>1995 - 2001</i>	<i>5 yrs, 10 months</i>
	<i>Lecturer/Assistant professor</i>	<i>Till date</i>	<i>19Yrs, 7 months</i>

#### Reports on Academic and Research Activities

##### Academic Activities

Teaching Records (Details of courses taught)	<b>Finite Element Methods (UG &amp; PG)</b> <b>Computational Fluid Dynamics</b> <b>Heat and Mass transfer</b> <b>Turbo machines</b> <b>Refrigeration and A/C</b> <b>Applied Thermodynamics</b> <b>Basic thermodynamics</b> <b>Fluid Mechanics</b> <b>Computer Aided Engineering Drawing</b>
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##### Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.
Awarded	<i>Nil</i>	<i>Nil</i>
Pursuing	<i>Nil</i>	<i>Nil</i>

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

Project Funded by	Grants Sanctioned	Grants Received
<i>-</i>	<i>-</i>	<i>-</i>

##### Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	<i>01</i>	<i>06</i>
Conferences/Symposia	<i>01</i>	<i>05</i>

##### Other Important Responsibilities Held in the College

1. Member Academic council 2020-21
2. Deputy COE from 02-02-2020
3. Secretary, Mechanical Engineering Alumni Association.

# **LIST OF PUBLICATIONS**

## **International Journals**

1. K. Mohamed Kaleemulla, K.G. Satish, K. Sandeep and K.J. MahendraBabu “Throttling Characteristics of Multi-Hole Orifice in Multi Stage Assembly” Journal of Research in Science, Technology, Engineering and Management (JoRSTEM), Volume 3, Issue3, September 2017.
2. K J Mahendra Babu, C J Gangadhara Gowda , K Ranjith “Discharge Coefficient Prediction for Multi hole Orifice Plate in a Turbulent Flow through Pipe: Experimental and Numerical Investigation”, International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), Vol 2, Issue 4, ISSN (Online) 2456-1290 ,April 2017.
3. K J Mahendra Babu, C J Gangadhara Gowda , K Ranjith “Numerical Study on Performance Characteristics of Multihole Orifice Plate” IOP Conf. Series: Materials Science and Engineering, 376, 012032, 2018
4. Hemanth B R, Mahendra Babu K J, Swarnakiran S “Mechanical Modeling and Testing of 3D Printed” Material” International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE) , Vol 3, Issue 5, May 2018.
5. Monica P, K J Mahendra Babu “Analysis on the rear axle housing of heavy truck using ansys” International Research Journal of Engineering and Technology (*IRJET*) Volume 5, Issue 7, July 2018.
6. K J Mahendra Babu, C J Gangadhara Gowda , K Ranjith “ Numerical Assessment of Noise Generated by Flow through Multi Hole Plate” International Journal of Advanced Science and Technology, Vol. 29, No. 9s, (2020), pp. 7978-7984