



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



## Faculty Profile

### General

Name	<i>Dr. N. Jagadeesh</i>	
Designation,	<i>Associate Professor</i>	
Department & Affiliated Institution	<i>Department of Automobile Engineering, P.E.S College of Engineering, Mandya – 571 401</i>	
Research Area	<i>Composite materials, Manufacturing Sciences and IC engines</i>	
Contact Number	<i>+91 9449203469</i>	
Email ID	<i><a href="mailto:njagansn@gmail.com">njagansn@gmail.com</a>, <a href="mailto:nanjappajagan@gmail.com">nanjappajagan@gmail.com</a>, <a href="mailto:jagadeeshn@pesce.ac.in">jagadeeshn@pesce.ac.in</a></i>	

### Academic Profile

#### Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph.D.	<i>PSGCT, Coimbatore</i>	<i>Anna University, Chennai</i>	<i>2020</i>	<i>Awarded</i>	
M.Tech.	<i>SJCE, Mysuru</i>	<i>VTU, Belagavi</i>	<i>2002</i>	<i>81.80</i>	<i>FCD</i>
B.E.	<i>PESCE, Mandya</i>	<i>University of Mysore, Mysuru</i>	<i>1996</i>	<i>72.71</i>	<i>FCD</i>

#### Research Achievements/Awards

Ph. D / M.Sc., Engg./M/Phil	Ph. D - <i>Nil</i>	M.Sc., Engg./M/Phil - <i>Nil</i>
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#### Professional Experience

Organization & Department	Designation	Period	Total of Experience
<i>P.E.S. College of Engineering, Mandya.</i>	<i>Assistant Professor</i>	<i>01-07-2009 to Till date</i>	<i>17 years</i>

#### Report of Work for the Academic Year : 2019-20

Academics	Description of Academic records	
Teaching Records (Details of courses taught)	<ul style="list-style-type: none"> <li>• Manufacturing Technology-I &amp;II,</li> <li>• Manufacturing Methods,</li> <li>• Material Science and Metallurgy,</li> <li>• Measurement and Metrology,</li> <li>• Industrial Management &amp; Entrepreneurship,</li> <li>• Automotive Engines and Components,</li> <li>• Computer Aided Machine Drawing,</li> <li>• Modeling and Analysis Laboratory,</li> <li>• Computer Integrated Manufacturing,</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacture of Automotive components,</li> <li>• CAD/CAM,</li> <li>• Vehicle transport Management,</li> <li>• Two and three wheeled vehicles,</li> <li>• Alternate Energy sources for Automobiles,</li> <li>• Mini, Major Projects and Technical Seminar- Guiding (Undergraduate).</li> </ul>

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

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

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

Project Title	Project Funded by	Grants Sanctioned	Grants Received

#### Research Publications in Refereed Journals and Conferences

No. of Publications in	National	International
Journals	<i>Nil</i>	<i>07</i>
Conferences	<i>Nil</i>	<i>02</i>

#### Other Important Responsibilities held in the College

<i>ISTE-PESCE Faculty chapter Executive Member</i>	<i>Participated in International Conference as a session chair</i>
<i>Worked as secretary and Coordinator for 2<sup>nd</sup> International Conference held on Feb 2020.</i>	<i>Worked as Chairman BOE for AED Working as Member BoS for AED Working as a Research Coordinator for AED Working as Coordinator for Automobile Engineering Association in AED</i>

# LIST OF PUBLICATIONS

## International Journals:

1. **N. Jagadeesh**, A.P. Senthil Kumar & S. Janaki, (2018), “Studies on mechanical and thermal behaviours of Al6061-SiC-Gr-ZrO<sub>2</sub>nanohybrid composites”, Material Research Express, E-ISSN: 2053-1591, Vol.5, Number.11, IOP.
2. A.P. Senthil Kumar, S. Janaki, **N Jagadeesh**, T. Sakthivel & R. Selladurai, (2018) ”Experimental Investigation On Heat Storage Co-efficient of Two-Phase Materials”, International Journal of Engineering and Robot Technology, Vol.5(1), pp.1-5.
3. A.P. Senthil Kumar, S. Janaki, **N Jagadeesh**, R.Selladurai & T. Sakthivel, (2018), ”Comparison of 2-D and 3-D Effects on Various Geometry to Predict the Effective Thermal Conductivity of Porous System”, International Journal of Engineering and Robot Technology, Vol.5(1), pp.6-12.
4. Dr. A.P. Senthil Kumar, **N. Jagadeesh** &Dr. S. Janaki, (2018), “CFD Based Study and Optimization of Manifold Systems”, International Research Journal of Engineering & Technology, E-ISSN: 2395-0056; P-ISSN: 2395-0072.
5. B. Dinesh Prabhu, **N. Jagadeesh**, B.S. Mamatha, & U. Samrat, (2020), “An Agricultural Electric Cart by Application of Internet of Things”, TEST Engineering & Management, Vol.83, P-ISSN: 0193-4120, pp.27045-27052.
6. B. Dinesh Prabhu, **N. Jagadeesh**, G.D. Srikanth&Irfanuddin, (2020), “A two wheeler converted to farmer friendly vehicle”, Journal of Critical Reviews, Vol.7, Issue.17, P. ISSN-2394-5125, pp.1581-1588.
7. **N. Jagadeesh**, A. P. Senthil Kumar & S. Janaki, (2021), “Comparative studies on performance of computational with experimental outcome for IC engine”, Journal of the Balkan Tribological Association, Vol.27, No 1, pp.101-114.

## PATENTS:

1. A.P. Senthil Kumar, N. Jagadeesh & S. Janaki, “Aluminum Nano-Hybrid Composite Piston Rings for Diesel Engines”, Indian Patent Published on 28th Feb 2020.
2. Dr. N. Jagadeesh et al “Development of Megawatt Wind Turbine for Optimal Management of Small Agricultural Farms”, IP Australian Patent Filed on 18th March 2021.

## International Conference:

1. B. Dinesh Prabhu, **N. Jagadeesh**, B.S. Mamatha, & U. Samrat, 10<sup>th</sup>& 11<sup>th</sup> January 2020, An Agricultural Electric Cart by Application of Internet of Things. International Conference on Recent Trends in Electrical, Electronics and Computer Science Engineering, Deokali, Utter Pradesh.
2. B. Dinesh Prabhu, **N. Jagadeesh**, G.D. Srikanth & Irfanuddin, 28<sup>th</sup>& 29<sup>th</sup> February 2020, A two wheeler converted to farmer friendly vehicle. 2nd International Conference on Advances in Mechanical Engineering Sciences (ICAMES-2020), PESCE, Mandya, Karnataka.