



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

(An Autonomous Institution, affiliated to VTU, Belagavi)

## Faculty Profile

### General

|                                     |   |
|-------------------------------------|---|
| Name                                | Dr. Raghu S   |
| Designation,                        | Assistant Professor   |
| Department & Affiliated Institution | Department of Industrial and Production Engineering, P.E.S College of Engineering, Mandya – 571 401 |
| Research Area                       | Metallurgy- Nanocomposites  |
| Contact Number                      | +91 9980468676  |
| Email ID                            | <a href="mailto:raghus719@gmail.com">raghus719@gmail.com</a>  |



### Academic Profile

#### Educational Qualifications

| Degree   | College   | University                                       | Year of Passing | % ge  | Class      |
|----------|---|--|-----------------|-------|------------|
| Ph. D    | P E S College of Engineering, Mandya-571401.          | Visvesvaraya Technological University, Belagavi. | 2019            | -     | -          |
| M. Tech. | The National Institute of Engineering, Mysuru-570008. | Visvesvaraya Technological University, Belagavi. | 2010            | 79.6  | FCD        |
| BE.      | P E S College of Engineering, Mandya-571401.          | Visvesvaraya Technological University, Belagavi. | 2007            | 59.68 | II - Class |

#### Professional Experience

| Organization and Department   | Designation          | Period  | Total Experience |
|---|----------------------|---|------------------|
| East Point College of Engineering and Technology, Bangalore. Mechanical Engineering Department. | Assistant Professor. | 4 <sup>th</sup> Aug 2010 to 14 <sup>th</sup> July 2013.   | 3 Years          |
| Sampoorna Institute of Technology and Research, Bangalore. Mechanical Engineering Department.   | Assistant Professor. | 15 <sup>th</sup> July 2013 to 31 <sup>st</sup> July 2014. | 1 Year           |
| P.E.S. College of Engineering, Mandya. Industrial and Production Engineering Department.        | Assistant Professor. | 4 <sup>th</sup> Aug 2014 to Till date                     | 6year 1month     |

#### Reports on Academic and Research Activities

##### Academic Activities

|  |  |
|--|--|
| Teaching Records (Details of courses taught) | Undergraduate: Manufacturing Process I, II and III, Lean Manufacturing Systems, Metrology & Measurements, Material Science and Metallurgy, Composite Materials, Operations Management, Product Design and Manufacturing, World Class Manufacturing, Supply Chain Management, Total Quality Management & Computer Integrated Manufacturing.<br>Post Graduate (M. Tech): Product Design and Development, Advanced Manufacturing Process, Design for Manufacture. |
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##### 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 |
|---------------|-------------------|-------------------|-----------------|
| Nil           | Nil               | Nil               | Nil             |

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

| Number of Publications in | National | International |
|---------------------------|----------|---------------|
| Journals                  | ---      | 4             |
| Conferences/Symposia      | 1        | 5             |

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

- Coordinator for International Conference on Advances in Mechanical Engineering Sciences (ICAMES-17) held at PESCE Mandya from 21-22nd Apr 2017.
- Coordinator for "2nd International Conference on Advances in Mechanical Engineering Sciences (ICAMES-2K20)".
- Involved in department NBA Activity.
- PESCE – Website and Research Centre coordinator from the department.

# LIST OF PUBLICATIONS

## Journals

1. Raghu. S, H. M. Nanjundaswamy, Savitha. M & M. Sreenivasa. Apr 2018. Synthesis and Characterization of Mechanical Properties of Nano TiO<sub>2</sub> Particle Reinforced Al-MMMC. International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Issue 2, 981-988
2. Raghu. S, H. M. Nanjundaswamy & M. Sreenivasa. Apr 2018. Synthesis and Mechanical Characterization of Aluminium Reinforced With Various Nano-Sized TiO<sub>2</sub> Particulate Composite. International Journals of Advance Research in science and Engineering ISSN 2319-8354, Vol. 7, Issue 4.
3. Raghu. S, H. M. Nanjundaswamy and M. Sreenivasa. Sept 2019. Effect of Nano-Sized TiO<sub>2</sub> Particles on the Wear Behaviour of Aluminium Composites Synthesized by Stir Casting Method. International Journal of Mechanical and Production Engineering (IJMPE), ISSN 2321-2071, Volume 7, Issue9.
4. Raghu S, Nagaral M , Attar S , Reddappa HN , Auradi V & Suresh Kumar S. 2015. Mechanical Behavior of Al7025-B4C Particulate Reinforced Composites. International Journal of Applied Mechanical Engineering, ISSN: 2168-9873 Volume 4, Issue 6.

## International Conferences

1. Raghu S, M Sreenuvasa and H M Nanjundaswamy. 18 & 19<sup>th</sup> March 2016. Review on Casting Techniques for Aluminium Composites. International Conference on Fascinating Advancements in Mechanical Engineering Conducted by MEPCO Schlenk Engineering College, Sivakasi, Tamilnadu.
2. Raghu. S, H. M. Nanjundaswamy and M. Sreenivasa. 14th April 2018. Synthesis and Mechanical Characterization of Aluminium Reinforced With Various Nano-Sized TiO<sub>2</sub> Particulate Composite. International conference on Recent Developments in Science, Engineering, Management and Humanities Conducted by The Institutions of Engineers, Mumbai, Maharashtra.
3. Raghu. S, H. M. Nanjundaswamy and M. Sreenivasa. Germany 3rd and 4th August 2018. Influence of Various Nano-Sized TiO<sub>2</sub> Particles on the Mechanical Properties of Aluminium Composites Synthesized by Stir Casting Method. International Academy of Science, Technology, Engineering and Management, Munich, Germany.
4. Raghu. S, H. M. Nanjundaswamy and M. Sreenivasa. 26th May 2019. Effect of Nano-Sized TiO<sub>2</sub> Particles on the Wear Behaviour of Aluminium Composites Synthesized by Stir Casting Method. International Conference on Mechanical, Civil, Industrial and Production Engineering (ICMCIPE), Pune, Maharashtra.
5. Raghu. S, H. M. Nanjundaswamy and M. Sreenivasa. 28<sup>th</sup> and 29<sup>th</sup> Feb 2020. Influence of Different Nano-Sized TiO<sub>2</sub> Particles on LM0 Al-Alloy on Mechanical Behaviour Nano Metal Matrix Composite. 2nd International Conference on Advances in Mechanical Engineering Sciences (ICAMES-2K20), Mandya, Karnataka.

## National Conferences

1. Raghu S and H. M. Nanjundaswamy and M. Sreenivasa. July 4th 2018. Effect of various Nano Sized TiO<sub>2</sub> Particles on the mechanical properties of Aluminium Composites. At 1st Symposium and Workshop for Analytical Youth on Applied Mechanics held at BITS Pilani, K K Birla Goa campus, Goa, India.