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

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	*Dr. H M Nanjundaswamy*
Designation,	*Professor and HOD*
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 9986741909*
Email ID	hmnanjunda@gmail.com

Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% age	Class
Ph. D	*IIT, Roorkee*	*IIT, Roorkee*	*2010*	-	-
M. Tech.	*The National Institute of Engineering, Mysuru-570008.*	*Mysore University.*	*1999*	*67*	*FC*
BE.	*The National Institute of Engineering, Mysuru-570008.*	*Mysore University.*	*1994*	*57*	*II - Class*

Professional Experience

Organization and Department	Designation	Period	Total Experience
Sapthagiri College of Engg., Dharmapuri(TN)	*Lecturer*	*02 /4/ 1996 to 09/8/1997*	*1 and 1/2Year*
Sapthagiri College of Engg., Dharmapuri(TN)	*Lecturer*	*020/3/ 1999 to 31/1/2001*	*1 and 1/2Year*
PESCE, Mandya(Mechanical)	*Lecturer*	*01 /2/ 2001 to 20/1/2003*	*2 Years*
PESCE, Mandya(I&P)	*Asst. Professor*	*21 /3/ 2003 to 01/1/2006*	*3 Years*
PESCE, Mandya(I&P)	*Asso. Professor*	*01 /1/ 2006 to 13/8/2010*	*4 Years*
PESCE, Mandya(I&P)	*Professor*	*14 /8/ 2010 to Till Date*	*10 Years*

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	Undergraduate: Engineering Thermodynamics, Fluid Mechanics and Machinery, Engineering Economics, Operations Research, Operations Management, Material Science and Metallurgy, Composite Materials, Manufacturing Process1, II and III.

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

Degree	Ph. D.	M.Sc., Engg.	M.Phil.
Awarded	*4*	*2*	*Nil*
Pursuing	*5*	*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	*2*	*12*
Conferences/Symposia	*2*	*8*

Other Important Responsibilities Held in the College	
1. *Head of the department of Industrial and Production Engineering Department.* 2. *BoS and BoE Chairman*	3. *Coordinator for International Conference on Advances in Mechanical Engineering Sciences (ICAMES-17) held at PESCE Mandya from 21-22nd Apr 2017.* 4. *Coordinator for "2nd International Conference on Advances in Mechanical Engineering Sciences (ICAMES-2K20)".*

LIST OF PUBLICATIONS

Journals

1. Raghu. S, H. M. Nanjundaswamy, Savitha. M & M. Sreenivasa. Apr 2018. Synthesis and Characterization of Mechanical Properties of Nano TiO2 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_2 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 TiO2 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.
5. H.M. NanjundaSwamy, S.K. Nath and S. Ray. 2009. Tensile and Fracture Properties of Cast and Forged Composite Synthesized by Addition of Al-Si Alloy to Magnesium. Metallurgical and Materials Transactions A, Volume 40, Number 13, 3284-3293, DOI: 10.1007/s11661-009-0010-3.
6. H.M. NanjundaSwamy, Tataram K Chavan. 2013. Comparison of Fly ash with Coconut shell Powder and Tamarind powder on Green sand Mold Properties. International Journal of Latest Trends in Engineering and Technology Vol.2, ISSN:2278-621X.
7. Vardhaman S Mudakappanavar, H.M. NanjundaSwamy. 2013. Multi-Objective Optimization of process parameters during solidification of Hypoeutectic Al-Si alloy casting using Genetic Algorithm. International Journal of Latest Trends in Engineering and Technology, Vol.2 Issue 4 July2013, ISSN:2278-621X.
8. Tataram K Chavan1, H.M. NanjundaSwamy. 2013. Effect of Variation of Different Additives on Green sand Mold Properties for Olivine sand. International Journal of Research in Engineering & Advanced Technology, 2 Vol No1 Issue 4, Sept,2013 ISSN:2320-8791.
9. Vardhaman S Mudakappanavar, H.M. NanjundaSwamy. 2013. Modification of Eutectic Silicon under the Influence of Mold Vibration during Solidification of LM6 Alloy castings. International Journal of Research in Engineering & Advanced Technology, Volume 1, Issue 4, Aug-Sept, 2013 ISSN: 2320 – 8791.
10. H M NanjundaSwamy, S K Nath and S Ray. 2016. Tensile and Fracture Properties of Cast and Forged Composite Synthesized by Addition of in-situ generated Al3Ti-Al2O3 particles to

Magnesium" International journal of Chemical, Molecular, Nuclear, Metallurgical Engineering Vol:10, No:6, 2016.

11. C. S. Ananda, H M Nanjundaswamy and B. Ashok. 2018. Application of Risk Break Down Structure as a Programme Management Tool in Design & Development of Advanced Fighter Aircraft. International Journal of Research in Engineering & Technology ISSN (P): 2347-4599; ISSN €: 2321-8843 Vol. 6, Issue 3, Mar 2018.
12. C. S. Ananda, H M Nanjundaswamy and B. Ashok. 2018. "Multi Criteria Decision Analysis as Programme Management Technique in Design & Development of Advanced Fighter Aircraft Development. International Journal of Research in Engineering & Technology ISSN (P): 2347-4599; ISSN€: 2321-8843 Vol. 6, Issue 3, Mar 2018, 53-64.
13. Raghu S, H M Nanjundaswamy, M Sreenivasa, "Impact of Different Nano-Sized TiO2 Particles on LM0 Al-Alloy on Mechanical Behaviour of Nano Metal Matrix Composites." Solid State Technology, Volume 63, Issue 1, Sept 2020.

International Conferences

1. Raghu S, M Sreenuvasa and H M Nanjundaswamy. 18 & 19th 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 TiO2 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 TiO2 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 TiO2 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. 28th and 29th Feb 2020. Influence of Different Nano-Sized Tio2 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.
6. Raghu. S, H. M. Nanjundaswamy and M. Sreenivasa. 28th and 29th Feb 2020. Influence of Different Nano-Sized Tio2 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 TiO2 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.