

PROFILE

Name	Dr. Sreenivas S
Position & Affiliation	Professor, Department of Mechanical Engineering
Areas of Interest	Machine Design, Thermal Engg, Thermal Barrier Coatings , DMLS
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Professional Webpage (if any)	-----

Educational Qualifications:

Ph.D	JNTU Ananthapuramu , Andra Pradesh	India	2016
MTech	VTU Belagaum , Karnataka	India	2009
BE	Institution of Engineers (India)	India	2001

Areas of Research:

Thermal Barrier Coatings, Environmental Barrier Coatings, Heat Transfer, Design Engineering, FEM, DMLS,

Brief Profile:

I am **Dr. Sreenivas S.**, a Professor of Mechanical Engineering with over 33 years of experience across academia and industry, specializing in **Machine Design** and **Thermal Engineering**. My career includes over 17 years in the automotive sector, where I implemented productivity improvements through **Just-in-Time (JIT)**, **Total Productive Maintenance (TPM)**, and **Value Engineering**.

Currently, as a Professor at Cambridge Institute of Technology, I'm dedicated to providing a comprehensive learning experience that prepares students not only technically but also as ethical professionals. I led successful NBA accreditation initiatives, focusing on Outcome-Based Education (OBE) with a strong emphasis on course outcomes and continuous improvement.

**Setting up of labs for UG students: Machine shop, FM Lab , Energy conversion lab , FEM lab,
Guiding students at various levels: Guided 15 UG projects**

Awards/Achievements/Others: GATE Qualified, Achieved Distinguished Teacher Award in 2011

Courses Taught: MOM, BTD, ATD, Heat Transfer, FM, Turbo Machines, FEM, Control Engg, Design of Machine Elements, EME, Engineering Mechanics, Mechanical Vibrations, Advanced Machine Design. Theory of Plasticity, Continuum Mechanics

Publications/Patents:

Publications	<ol style="list-style-type: none"> 1. Dilapidation of the TBC system during the Burner Rig Test, International Journal of Engineering and Technology, Vol. 7(3), Jun – July 2015, ISSN : 0975-4024 2. Thermo Mechanical Characterization of thermal barrier coatings for laser sintered components, The Institution of Engineers (India) of Mechanical Engineering Division, Vol.1,2015, Page 93-96 3. Development and Characterisation of Thermal Barrier Coatings on Conventional and Direct Metal Laser Sintered IN718 Super Alloys, International Journal of Engineering Science and Technology, Vol. 7 No.12 Dec 2015, ISSN : 0975-5462, Page 426-437 4. Mechanical Properties of Sisal/Banana Hybrid Composite Reinforced Polyester Composites International Journal of Emerging Technologies and Innovative Research (www.jetir.org UGC and issn Approved), ISSN:2349-5162, Vol.6, Issue 6, page no. pp508-512, June 2019 5. An experimental investigation of multi-cylinder conventional ci engine using madhuca indica oil as fuel https://www.interscience.in/ijmie/vol4/iss3/Jan2022 6. Testing of Thermal Barrier Coatings for Fatigue Life. IUP Journal of Mechanical Engineering, 2023, Vol 16, Issue 2 , p7 7. EXPERIMENTAL AND NUMERICAL STUDY OF TEMPERATURE GRADIENTS, THERMAL STRESSES AND TGO IN TBCS, E-ISSN 2348-1269, P-ISSN 2349-5138 , https://doi.org/10.56975/p2sj6c53 <p>Technical Research paper publications: In National/International conferences.</p> <ol style="list-style-type: none"> 1. Experimental, characterization and FEA of Thermal Barrier Coatings, at RECENT ADVANCES IN FUNCTIONALISED MATERIALS – 2012 2. Development of multi-layer thin film coatings over additive manufactured gas turbine engine components, ICAM-3D, Chennai – 2015 3. Heat Transfer Analysis In Thermal Barrier Coatings, NAFEMS India Regional Conference – Chennai - 2015 4. Studies on TBCs for high temperature gradients and thermal cycling, Mechsambhram / Darshana 2015, Bengaluru – 2015. 5. Direct Metal Laser Sintering Process – A Review”, at Advanced Materials and Manufacturing Technology, at ICMMT (International Conference on Materials and Manufacturing Technology), 3-5 December 2015, P168-178
Patents	<p>Patents published: Title: DEVELOPMENT of TI-C PARTICULATE REINFORCED AL-2219 COMPOSITES Publication date : 15/12/2023</p>
Book/Book Chapters	NIL

Research and Consultancy: NIL