

PROFILE

Name	Dr. Shankar. S
Position & Affiliation	Professor & Head (R&D - ME), Department of Mechanical Engineering
Areas of Interest	Composite Materials, Manufacturing Technology, Operations Research, Research Methodology & IPR
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Scopus ID	58584953600
Professional Webpage (if any)	NA

Educational Qualifications:

Ph.D	JNTU, Hyderabad	India	2015
MBA	Marketing Management, IGNOU	India	1995
ME	PSG College of Technology, Coimbatore	India	1990
BE	Coimbatore Institute of Technology, Coimbatore	India	1985

Areas of Research:

Composite Materials, Smart Manufacturing

Brief Profile: (write about yourself)

Dr. S.Shankar obtained BE degree in Mechanical Engineering in 1985 and ME in 1990. Later he obtained MBA in 1996. He pursued doctoral degree in the area of Composite Materials at JNTUH and was awarded PhD in 2015. He has rich teaching experience, over 35 years, handling various Engineering and Management subjects for UG and PG courses, Research and Administrative experience for about 15 years. He has guided many projects for BE and ME students and has been guiding students pursuing PhD. He has conducted many National & International conferences on specific engineering and technological domains and has many publications in National and International journals as well as in conferences to his credit. He has been involved in research projects funded by various funding agencies like AICTE, VTU, DST and DSIR.

Awards/Achievements/Others: NA

Courses Taught: OR, MP, NTM, RM & IPR

Publications/Patents:

Publications	<ol style="list-style-type: none">1. S.Shankar et al. “Optimization of AL₂O₃ concentration in water based nano fluid to enhance the heat transfer for solar application” Journal of mines, metals & fuels, Vol 1, 92-97, 2022, www.jmmf.info2. S.Shankar et al. “A Numerical Investigation of Thermal Performance of Inline Pinfins on a Wedge Duct”, International Journal of Engineering Research and Applications, www.ijera.com, ISSN: 2248-9622, Vol. 11, Issue 3, (Series-III) March 2021, pp. 28-35.3. S.Shankar et al. “Effect of concentration of Al₂O₃ Nano Particles in base fluid on thermal and flow properties to enhance the heat transfer rate”, IJERT, ISSN 2278-0181, Vol. 10 issue 02, Feb 2021. https://www.ijert.org.4. S.Shankar et al. “Conjugate Heat Transfer Analysis of Wedge Shaped Duct of the Trailing Edge of Turbine Blade”, Lecture Notes on Multidisciplinary Industrial Engineering, Springer, ISSN: 2522-5022, 2019. https://link.springer.com5. S. Shankar et al. “Investigation of parameters influencing mechanical properties in SIS by using RSM”, Int. J. Materials and Product Technology, Vol. 58, Nos. 2/3, 2019, Inderscience Enterprises Ltd Page 178 – 200, 2019.6. S.Shankar et al. “Processing of PA2200/HDPE by SIS: effect on microstructure and mechanical properties”, Int. J. Microstructure and Materials Properties, Vol. 13, Nos. 3/4, 2018, Inderscience Enterprises Ltd. Page 185 – 197, 2018.7. S. Shankar et al. “Taguchi’s Approach: Design optimization of process parameters in Selective Inhibition Sintering”, Materials Today Proceedings, Science Direct, ELSEVIER, ISSN: 2214-7853, ICMPC 2017. https://www.sciencedirect.com8. S. Shankar et al. “RSM Optimization of Parameters influencing Mechanical properties in Selective Inhibition Sintering”, Materials Today Proceedings, Science Direct, ELSEVIER, ISSN: 2214-7853, ICMPC 2017. https://www.sciencedirect.com
Patents	<ol style="list-style-type: none">1. System and apparatus for surface finishing of 3d printed products through vapour smoothing2. Method and system for reclaiming serviceable parts of e-waste for development of 3d printer
Book/Book Chapters	NA

Research and Consultancy:

Design and Development of Ultrasonic impact testing unit for enhancing the fatigue performance of HSLA steels – DSIR- Rs. 8,00,000

MODROBS- Energy Lab – AICTE – Rs. 11,56,000

Skill and Personality development centre for SC/ST students- AICTE – Rs. 12,53,040

AICTE IDEA Lab – AICTE – Rs. 15,00,000