


Faculty Profile

Name of the Teaching Staff	Sushma S	
Department	Mechanical Engineering	
E-mail	Sushma.s@cittumkur.org	
Present Designation	Assistant Professor	
Google Scholar ID	doB7UnOtOBEC	
ORCID	0000-0002-3196-0165	
VIDWAN ID	87431	
Education Qualifications	<ol style="list-style-type: none"> UG- BE from SIT, Tumkur(VTU) PG – M.Tech in Thermal Power Engineering , SIT, Tumkur (VTU) Ph.D- Pursuing.(VTU) 	
Work Experience in Years		
Teaching	14.5 years	
Research	----	
Industry	1 year	
Other	-----	
Total	15.5 years	
Area of Specialization	Thermal Power Engineering	
Publication Details	<p>Enhancement of Heat Transfer Characteristics of Plain Fin Coated With Graphene Nanoparticle.- Journal of Mines, Metals & Fuels 70 (12)</p> <p>A Performance Study on Heat Transfer using Different Heat Sink by Experimentation and Optimization Method-Journal of Mines, Metals and Fuels 70 (8A)</p> <p>An Experimental Investigation on Performance of Heat Transfer Using Heat Sink of Different Shape for Electronic Applications-Indian Journal Of Science And Technology 14 (35), 2789-2801.</p> <p>A Review On Heat Transfer With Nanomaterial Coating-International Journal of Mechanical and Production Engineering 9 (1)</p> <p>An Experimental Investigation Of Heat Transfer Coefficient Using Heat Sink For Electronic Applications-International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), 10,68-77.</p> <p>A Review on Enhancement of Heat transfer through Fins-International Journal of Scientific and research publications, 9(6),15-18.</p> <p>Thermal Analysis of Heat Dissipating Electronic devices-IJRSET 5 (5), 7776-7781.</p> <p>Heat Transport in High Heat Dissipating Electronic devices-IJRSET 5 (5), 7770-7775</p> <p>Effect of Pongamia and Jatropha blend on the performance of Diesel Engine-IJMERR 4 (1), 463-466</p> <p>Production of biodiesel from Hybrid oil(Dairy waste scum and Karanja)and characterization and study of its performance on diesel engine.- International Journal of Engineering research & Technology. 3 (7), 686-690.</p>	

Professional Memberships	Member – The Institution of Engineers(India) M-1681979. Member-IAENG(International Association of Engineers) M-234596.
No. of Books published with details	----
Book Chapters published	-----
Books Published	-----
Reviewer in Journal/Conference	-----
Patents	-----
Academic & Administrative Responsibilities	Women Empowerment Cell -Member AICTE – Activity Point Program -Member NAAC criteria 3 department coordinator Teaching-Learning Improvement: How classrooms and labs runs smoothly. Proctor: Chart, Cumulative Records, Meeting Reports, Outcome & counseling Report HMT Lab –In-charge Class Advisor for 2022 Batch Minutes of Meeting EC Lab –In charge AICTE Dept. Activity Coordinator Bio fuel plant Department NAAC work
FDPs & Workshops Attended	<ul style="list-style-type: none"> • Participated in the workshop organized by CIT, Gubbi on “Financial wellness for women in semirural region” conducted on 27th January 2016. • Participated in one day in-house workshop organized by dept. of CSE, CIT ,Gubbi on “Academic Writing” conducted on 12th July 2016. • Participated in 5-days faculty development programme organized by dept of ME, CIT ,Gubbi on “Recent trends in mechanical design & manufacturing” conducted from 20th to 24th July 2016. • Participated in 2-days certificate programme organized by CIT, Gubbi & CMR university Bangalore on “Research Methodology-as part of capacity building for faculty members & Ph.D. scholars in Engineering & management” held during 19th & 20th August 2016. • Participated in 5-days faculty development programme organized by dept of ME, CIT ,Gubbi in association with CADD center, Tumakuru on “Recent trends in CAD/CAM/CAE in design for manufacturing” conducted from 23th to 28th January 2017. • Two-days National level workshop on Micromachining & Nano Technology in Smart manufacturing on 18th & 19th October 2019. • One week FDP on Recent Trends in Mechanical engineering, NBA process and Use of Mendeley software for researchers at CIT during 15th to 20th July 2019. • Faculty awareness program on ASME,ASCE and Knimbus digital library at CIT on 19th March 2019. • One day FDP on Beyond Teaching-29th Jan 19 • Five days online workshop on “Thermal Characterization Techniques and Its Analysis” during 22nd – 26th July 2020 organized by AIT, Bangalore. • Five Day Faculty Development Program on “Refrigerants Progression-Environmental Concerns”- 01.6.2020 to 05.6.2020. • FDP on ME8595- Thermal Engineering –II from 8th -12th June 2020

organised by Arasu Engineering College, Kumbakonam.

- Online 5 days FDP on “Advancement in the Field of Mechanical Engineering”, from 23rd -27th June 2020.
- One week FDP on “Sustainable Energy Solutions in Solar Energy Applications”from 23rd to 27th Nov 2020, organized by MITE.
- ATAL online FDP on Research Methodology from 1/12/20 to 5/12/20 organised by IIFT , Nagpur.
- One week FDP on “Sustainable solutions in Hybrid Vehicles”from 14th to 18th Dec 2020, organized by MITE.
- AICTE approved orientation programme on “Thermal Engineering”from 17/2/21 to 23/02/21, organized by KIT Tiptur.
- AICTE approved orientation programme on “Thermal Engineering”from 17/3/21 to 23/03/21, organized by KIT Tiptur.
- AICTE approved orientation programme on “Thermal Engineering”from 22/4/21 to 28/04/21, organized by KIT Tiptur.
- Participated in National level webinar on “Automation and Robotics”on 9th June 2021 organised by RNSIT, B’lore.