

Profile

Name of the Faculty	Dr. ALLUGUVELLI RAMESH	 Photo
Designation	Associate Professor	
Department	Freshman Engineering	
Area of Interest	Computational Fluid Dynamics	
Subjects Taught	Mathematics-I, Mathematical Methods, Complex Variables, Probability & Statistics, Computational Mathematics, Computational Mathematics-Lab	
JNTUH Registration Id	07150401-141908	
College Staff Code	SC0584	
Official Mail	Rameshalluguvelli.fe@gcet.edu.in	

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph.D.	Computational Fluid dynamics	Osmania University	2022
2.	M.Phil.	Mathematics	Madurikamarj University	2008
3.	M.Sc.	Pure Mathematics	Osmania University	2006
4.	B.Ed.	Mathematics, English	Osmania University	2005
5.	B.Sc.	M.St.Cs.	Kakatiya University	2002

Publications Details :

S. No.	Publication details
--------	---------------------

1.	Effect of Binary Hybrid Nanofluid Flow Between Parallel Plates with Applied Activation Energy https://orcid.org/0000-0002-5075-4375
2.	Effects of Thermal Radiation on Fully Developed MHD Nanofluid Flow in a Vertical Square Duct http://dx.doi.org/10.5890/DNC.2023.03.007
3.	Bioconvection in inclined square cavity comprising oxytactic microorganisms in the presence of Soret and Dufour. https://doi.org/10.1080/02286203.2022.2140386
4.	Bioconvection in Porous Square Cavity Containing Oxytactic Microorganisms in the Presence of Viscous Dissipation. DOI:10.5890/DNC.2022.06.009
5.	Nanofluid Bioconvection in Porous Enclosure with Viscous Dissipation Indian Journal of Pure & Applied Physics (IJPAP)
6.	Investigation on natural convective flow of ethylene glycol nanofluid containing nanoparticles Fe ₃ O ₄ in a porous cavity with radiation. https://doi.org/10.1063/5.0019589
7.	Impact of Soret and Dufour on bioconvective flow of nanofluid in porous square cavity https://doi.org/10.1002/htj.22118
8.	Effect of Chemical Reaction on Bioconvective Flow in Oxytactic Microorganisms Suspended Porous Cavity. DOI: 10.22055/JACM.2019.14811
9.	Bioconvection in oxytactic microorganism-saturated porous square enclosure with thermal radiation impact. https://doi.org/10.1007/s10973-019-09009-7
10.	Effects of variable viscosity and thermal conductivity on MHD boundary layer flow of nanofluid with thermal radiation. DOI: https://doi.org/10.1166/jon.2017.1288

Experience:

Teaching	19 Years
Industry	Nil
Research	8 Years
Total Experience	19 Years