

Profile

Name of the Faculty	Dr. G. Durga Priyadarsini	
Designation	Associate Professor	
Department	FE(Mathematics)	
Area of Interest	Fluid Dynamics	
Subjects Taught	BEM, MVC,P&S, SML,SACE,NM,STATISTICS FOR DATA SCIENCE, COMPLEX ANALYSIS, NUMERICAL METHODS	
JNTUH Registration Id	5954-190710-145314	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1.	Ph.D	Fluid Dynamics	Visveswaraya Technological University, Belagavi, Karnataka.	2024

2.	M.SC	Mathematics	Osmania University	2010
3.	B.A.(MES)	Maths, Statistics, Economics	Nagarjuna University	2000
4.	SET(TS&AP)	Mathematics	Osmania University	2014

Publications Details :

S. No.	Publication details
1.	Enhancing microfluidic transport via pulsatile flow: A study of flow regimes and efficiency optimization
2.	Microfluidic systems with a pulsating heat pipe
3.	Microfluidics temperature compensation and tracking for drug injection based on mechanically pulsating heat exchanger
4.	Wall consequences for the peristaltic movement of non-Newtonian fluid in an inclined conduit
5.	Distribution of temperature in a viscous incompressible fluid flow using differential Homotopy perturbation method

Experience:

Teaching	15.2 years
Industry	-

Research	-
Total Experience	15.2 years

