

**Ph.D. was awarded by VTU to the following Research Scholars of the Mathematics department.**

**Research center affiliated to VTU.**

#	Guide	Research Scholar (Part\Full time)	Research Topic	Year of Award
1	<b>Dr. C V Vinay</b>	Umadevi B	Mathematical Modelling of Macromolecular Transport in Doubly Connected Region.	2013
		Shalini M Patil	Finite difference based Multigrid method to solve modified Reynold's Equation.	2015
2	<b>Dr. K M Nagaraja</b>	Chethan Kumar G D	Studies On A Class Of Power Mean And Its Applications	2023
		Ambika M Hejib	Theoretical studies and development of convexities and Mathematical means	2022
		Venkataramana B S	Studies on power exponential mean in several variables and its applications	2021

	VimalaT	Contribution to the theory of mathematical means and its inequalities	2020
	Manjunatha H	A study on Fourier transform of continuous functions	2019
	Narasimhan G	An elucidative Investigation on Frontier of Mathematical means	2019
	Lakshmi Janardan R C	A Study on convexities of Mathematical means	2019
	Sampath Kumar R	Mathematical means and their convexities	2019
	Siddalingaswamy V M	Contributions to the Theory of Signed Graphs	2017
	K Sridevi	An Elucidative Analysis On Mathematical Means And Inequalities	2017
	Murali K	Contributions to the Theory and Development of Mathematical means and Inequalities	2017

<b>3</b>	<b>Dr. Shalini M Patil</b>	Manoharkumar K N	Heat and mass transfer in porous media with Nano fluid particles.	2025
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**External Research scholar Pursuing Ph.D under VTU Research Centre,  
Mathematics Dept.**

<b>#</b>	<b>Guide</b>	<b>Research Scholar (Part\Full time)</b>	<b>Research Topic</b>	<b>Registration</b>	<b>Status</b>
<b>1</b>	<b>Dr. C V Vinay</b>	Viswanatha S (Part Time)	Numerical Simulation of Natural convection of nano-fluids in nonrectangular enclosures.	2017	open seminar -2 completed
<b>2</b>	<b>Dr. K M Nagaraja</b>	Dhanya P (Part Time)	Studies on Generalised Fibonacci and Lucas Number and Their Applications	2021	5 subjects completed in course work
		Sridhar G	Optimal control studies of ecological models using differential equations	2022	Registered

		Nagesh shyanubhag	Studies on some aspects of alignment chart functional mean and its Applications	2022	Registered
		Harish A (Part Time)	Studies on Complementary and Invariant Centroidal Mean and Applications	2021	Registered
<b>3</b>	<b>Dr. B Umadevi</b>	Anumanchi Radhika	Camouflaged Object Detection in Defence using Image Processing based on Mathematical tools	2023	Comprehensive Viva - Voce Completed
		Gunda Prudhwidhar	Forecasting Climate Change in Sustainable Healthcare Systems Using Mathematical Modeling	2025	Registered and Course work Approved

<b>4</b>	<b>Dr. Girish N</b>	Vanitha G R	Analysis of fully developed mixed convection of different nano fluids in vertical channel	2025	Registered
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### **Research Guides and Areas Available for Ph.D Programs**

<b>#</b>	<b>Research Guide</b>	<b>Area of Specialization</b>
1	<b>Dr. C. V. Vinay</b>	Fluid Dynamics
2	<b>Dr. K. M. Nagaraja</b>	Mathematical Analysis
3	<b>Dr. Shalini M Patil</b>	Fluid Dynamics
4	<b>Dr. B. Umadevi</b>	Bio Fluid Mechanics / Data Science
5	<b>Dr. Girish N</b>	Fluid Dynamics
6	<b>Dr. Nandini P</b>	Complex Analysis