

List of Ph.D. Students of Department of Mathematics

S.No.	Name of the Scholar	Name of the Supervisor/s	Registration Number	Title of the thesis
1	Shelly Arora	Dr. V.K. Kukreja Dr. S.S. Dhaliwal	PTU/Ph.D./07.04.03	Solutions of partial differential equations involving diffusion dispersion phenomenon using weighted residual methods
2	Arunesh Kumar Pandey	Dr. R.K. Mishra Dr. T.N. Pandey	SLIET/Ph.D./14/07	Certain investigations on hidden connections between Finsler geometry & theory of relativity along with study of various cosmological consequences
3	Sukhwinder Singh	Dr. S.S. Dhaliwal Dr. Sushma Gupta	SLIET/Ph.D./15/07	Some differential subordinations and their applications to the study of univalent and multivalent functions
4	Sanjeev Kumar	Dr. S.S. Dhaliwal	SLIET/Ph.D./34/08	Development and analysis of new iterative methods for numerical solution of non-linear equations
5	Rajni Sharma	Dr. J.R. Sharma Dr. R.K. Guha	SLIET/Ph.D./38/08	Iterative methods for the solution of nonlinear equations
6	Sabina	Dr. Vinod Mishra	SLIET/Ph.D./47/08	Wavelet-Galerkin technique for solving certain numerical differential equations and inverse ill-posed problems
7	Puneet Gupta	Dr. J.R. Sharma Dr. R.K. Guha	SLIET/Ph.D./62/08	Numerical solutions of nonlinear equations: Some improved iterative methods
8	Bharti Gupta	Dr. V.K. Kukreja	SLIET/Ph.D./80/08	Applications of orthogonal Spline collocation method for the solution of Diffusion problems
9	Ajay Kumar Mittal	Dr. V.K. Kukreja	SLIET/Ph.D./94/09	Solution of two point boundary value problems by orthogonal collocation on finite elements using Hermite basis
10	Rupinderjit Kaur	Dr. Mandeep Singh Dr. J.S. Aujla, NIT J	SLIET/Ph.D./115/09	Inequalities involving matrix functions
11	Harpreet Kaur	Dr. Vinod Mishra Dr. R.C. Mittal, IIT R	SLIET/Ph.D./116/09	Haar wavelet technique for solving certain differential, integral and integro-differential equations
12	Sarika Verma	Dr. S.S. Dhaliwal	PMA-1002	Study of some integral operators involving analytic functions

		Dr. Sushma Gupta		
13	Chanchal	Dr. R.K. Mishra	PMA-1003	Certain aspects of the expansion of Bianchi I & II universes with time varying cosmological constant ' Λ ' and gravitational constant ' G '
14	Raj Kumar	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1004	Convolution properties of some univalent harmonic functions
15	Gurbinder Kaur	Dr. R.K. Guha Dr. J. Dhar, IIITM G	PMA-1005	Hybrid approach of conventional time series and ANN soft computing techniques for forecasting NSE and BSE stocks
16	Dinesh Kumar	Dr. S.S. Dhaliwal Dr. J.N. Sharma, NIT H	PMA-1006	Analysis of wave propagation through visco-thermo-elastic materials
17	Ishfaq Ahmad Ganaie	Dr. V.K. Kukreja	PMA-1007	Solution of differential equations using Hermite collocation method
18	Himani Arora	Dr. J.R. Sharma	PMA-1101	Some improved classes of Iterative methods for solving nonlinear equations
19	Rajinder Pal	Dr. Mandeep Singh Dr. J.S. Aujla, NIT J	PMA-1102	On matrix inequalities
20	Avtar Chand	Dr. R.K. Mishra Dr. J.R. Sharma	PMA-1301	Certain investigation on dark energy cosmological models in alternative theories of gravitation
21	Dimple Rani	Dr. Vinod Mishra	PMA-1305	Laplace transform based numerical solutions of certain differential and integral equations
22	Anchal Aggarwal	Dr. Mandeep Singh Dr. J.S. Aujla, NIT J	PNA-1501	Operators and associated norm inequalities
23	Deepak Kumar	Dr. J.R. Sharma	PMA-1502	Development and analysis of some efficient iterative methods for solving nonlinear equations
24	Sunil Kumar	Dr. J.R. Sharma	PMA-1601	Development of some improved classes of numerical methods for solving nonlinear equations

List of Ph.D. Students of Department of Mathematics (Pursuing)

S.No.	Name of the Scholar	Name of the Supervisor/s	Registration Number	Title of the Thesis
1	Ms. Deepali	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1303	Some aspect of univalent harmonic mappings
2	Ms. Ravneet Kaur	Dr. V.K. Kukreja	PMA-1304	Solution of some partial differential equations using finite difference method
3	Mr. Yogesh Kapil	Dr. Mandeep Singh	PMA-1401	Operator inequalities
4	Ms. Chinu Singla	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1503	Analytic and geometric properties of some univalent harmonic functions
5	Ms. Heena Dua	Dr. R.K. Mishra	PMA-1504	Certain investigations on cosmological models with bilinear deceleration parameter in alternative theories of gravitation
6	Mr. Sonu	Dr. R.K. Guha	PMA-1602	New products adoption dynamics in competitive environment: innovation diffusion models
7	Ms. Parveen Ansari	Dr. R.K. Guha	PMA-1701	Best control dynamics with natural enemy and seasonal variations
8	Ms. Narbada Rani	Dr. Vinod Mishra	PMA-1801	Magic squares and cubes: constructions, properties and applications
9	Ms. Archana Kumari	Dr. V.K. Kukreja	PMA-1802	Solution of singularly perturbed differential equations using Hermite collocation method
10	Ms. Shallu	Dr. V.K. Kukreja	PMA-1804	An approved B-spline collocation method for non-linear partial differential equations
11	Ms. Rozi Bala	Dr. Vinod Mishra	PMA-1805	Fibonacci and Narayana like sequences theory and applications
12	Mr. Harmandeep Singh	Dr. J.R.Sharma	PMA-2011	On some efficient numerical methods for non –linear equations
13	Mr. Mandeep	Dr. Mandeep Singh	PMA-2012	Matrix analysis and operator theory
14	Ms. Anju Rani	Dr. Mandeep Singh	PMA-2025	Matrix analysis and operator theory
15	Ms. Renu	Dr. R.K. Mishra	PMA-2030	Astrophysics (Cosmology)
16	Ms. Pavitra		PMA-2101	
17	Ms. Manju Yadav		PMA-2118	
18	Ms. Anita		PMA-2121	