

List of Ph.D. Scholars of the Department of Mathematics

S.No.	Name of the Scholar	Name of the Supervisor/s	Registration Number	Year of Award	Title of the thesis
1	Dr. Shelly Arora	Dr. V.K. Kukreja Dr. S.S. Dhaliwal	PTU/Ph.D./07.04.03	2007	Solutions of partial differential equations involving diffusion dispersion phenomenon using weighted residual methods
2	Dr. Amritbir Singh	Dr. R.K. Mishra Dr. S.S. Dhaliwal	SLIET/Ph.D./07.07.06	2011	Investigation on certain cosmological models of general theory of relativity for existence of dark matter in the universe due to variable constants
3	Dr. Arunesh Kumar Pandey	Dr. R.K. Mishra Dr. T.N. Pandey	SLIET/Ph.D./14/07	2014	Certain investigations on hidden connections between Finsler geometry & theory of relativity along with study of various cosmological consequences
4	Dr. Sukhwinder Singh	Dr. S.S. Dhaliwal Dr. Sushma Gupta	SLIET/Ph.D./15/07	2011	Some differential subordinations and their applications to the study of univalent and multivalent functions
5	Dr. Sanjeev Kumar	Dr. S.S. Dhaliwal	SLIET/Ph.D./34/08	2012	Development and analysis of new iterative methods for numerical solution of non-linear equations
6	Dr. Rajni Sharma	Dr. J.R. Sharma Dr. R.K. Guha	SLIET/Ph.D./38/08	2012	Iterative methods for the solution of nonlinear equations
7	Dr. Sabina	Dr. Vinod Mishra	SLIET/Ph.D./47/08	2012	Wavelet-Galerkin technique for solving certain numerical differential equations and inverse ill-posed problems
8	Dr. Puneet Gupta	Dr. J.R. Sharma Dr. R.K. Guha	SLIET/Ph.D./62/08	2014	Numerical solutions of nonlinear equations: Some improved iterative methods
9	Dr. Bharti Gupta	Dr. V.K. Kukreja	SLIET/Ph.D./80/08	2015	Applications of orthogonal Spline collocation method for the solution of Diffusion problems
10	Dr. Ajay Kumar Mittal	Dr. V.K. Kukreja	SLIET/Ph.D./94/09	2015	Solution of two point boundary value problems by orthogonal collocation on finite elements using Hermite basis
11	Dr. Rupinderjit Kaur	Dr. Mandeep Singh	SLIET/Ph.D./115/09	2014	Inequalities involving matrix functions

12	Dr. Harpreet Kaur	Dr. Vinod Mishra Dr. R.C. Mittal, IIT	SLIET/Ph.D./116/09	2015	Haar wavelet technique for solving certain differential, integral and integro-differential equations
13	Dr. Sarika Verma	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1002	2015	Study of some integral operators involving analytic functions
14	Dr. Chanchal	Dr. R.K. Mishra	PMA-1003	2015	Certain aspects of the expansion of Bianchi I & II universes with
15	Dr. Raj Kumar	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1004	2015	Convolution properties of some univalent harmonic functions
16	Dr. Gurbinder Kaur	Dr. R.K. Guha Dr. J. Dhar, IIITM	PMA-1005	2017	Hybrid approach of conventional time series and ANN soft computing techniques for forecasting NSE and BSE stocks
17	Dr. Dinesh Kumar	Dr. S.S. Dhaliwal Dr. J.N. Sharma,	PMA-1006	2015	Analysis of wave propagation through visco-thermo-elastic materials
18	Dr. Ishfaq Ahmad Ganaie	Dr. V.K. Kukreja	PMA-1007	2015	Solution of differential equations using Hermite collocation method
19	Dr. Himani Arora	Dr. J.R. Sharma	PMA-1101	2017	Some improved classes of Iterative methods for solving nonlinear equations
20	Dr. Rajinder Pal	Dr. Mandeep Singh	PMA-1102	2019	On matrix inequalities
21	Dr. Avtar Chand	Dr. R.K. Mishra Dr. J.R. Sharma	PMA-1301	2019	Certain investigation on dark energy cosmological models in alternative theories of gravitation
22	Dr. Dimple Rani	Dr. Vinod Mishra	PMA-1305	2020	Laplace transform based numerical solutions of certain differential and integral equations
23	Dr. Anchal Aggarwal	Dr. Mandeep Singh Dr. Dr. J.S.	PMA-1501	2021	Operators and associated norm inequalities
24	Dr. Deepak Kumar	Dr. J.R. Sharma	PMA-1502	2020	Development and analysis of some efficient iterative methods for solving nonlinear equations
25	Dr. Sunil Kumar	Dr. J.R. Sharma	PMA-1601	2021	Development of some improved classes of numerical methods for solving nonlinear equations
26	Dr. Deepali	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1303	2021	Some aspect of univalent harmonic mappings

27	Dr. Ravneet Kaur	Dr. V.K. Kukreja	PMA-1304	2021	Solution of some partial differential equations using finite difference method
28	Dr. Yogesh Kapil	Dr. Mandeep	PMA-1401	2022	Operator inequalities
29	Dr. Chinu Singla	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-1503	2022	Analytic and geometric properties of some univalent harmonic functions
30	Dr. Shallu	Dr. V.K. Kukreja	PMA-1804	2023	An approved B-spline collocation method for non-linear partial differential 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. Heena Dua	Dr. R.K. Mishra	PMA-1504	Certain investigations on cosmological models with bilinear deceleration parameter in alternative theories of gravitation
2	Mr. Sonu	Dr. R.K. Guha	PMA-1602	New products adoption dynamics in competitive environment: innovation diffusion models
3	Ms. Parveen Ansari	Dr. R.K. Guha	PMA-1701	Best control dynamics with natural enemy and seasonal variations
4	Ms. Narbada Rani	Dr. Vinod Mishra	PMA-1801	Magic squares and cubes: constructions, properties and applications
5	Ms. Archana Kumari	Dr. V.K. Kukreja	PMA-1802	Solution of singularly perturbed differential equations using Hermite collocation method
6	Ms. Roji Bala	Dr. Vinod Mishra	PMA-1805	Fibonacci and Narayana like sequences theory and applications
7	Mr. Harmandeep	Dr. J.R.Sharma	PMA-2011	On some efficient numerical methods for non –linear equations
8	Mr. Mandeep	Dr. Mandeep Singh	PMA-2012	Analysis on inertia and determinants of some special matrices
9	Ms. Anju Rani	Dr. Mandeep Singh	PMA-2025	Operator inequalities involving singular values
10	Ms. Manju Yadav	Dr. S.S. Dhaliwal Dr. Sushma Gupta	PMA-2118	Mapping properties of some univalent functions
11	Ms. Anita	Dr. V.K. Kukreja	PMA-2121	Solution of fractional partial differential equations using improvised cubic B-spline collocation method

12	Ms. Mannat Mand	Dr. V.K. Kukreja Dr. Birmohan Singh	PMA-2138	Analysis of distribution and normalization using statistical techniques in data science
13	Mr. Rahul Sharma	Dr. R.K. Mishra	PMA-2213	Yet to be decided
14	Mr. Arbaz Khan	Dr. S. Kumar	PMA-2212	Yet to be decided
15	Ms. Navya Jain	Dr. R.K. Mishra	PMA-2224	Yet to be decided
16	Ms. Drishti Rajput	Dr. V. Mishra	PMA-2225	Yet to be decided
17	Mr. Prem Sagar	Dr. J.R. Sharma	PMA-2310	Yet to be decided