

**Complete Detailed List of Ph.D. Awarded Students**

**Department of Mathematics, Jaypee University of Information Technology, Waknaghat, Solan (HP)**

| S.No | Roll No. | Name               | Supervisor Name                                    | DPMC Members Names  | Status         | Date of Enrollment | Date of Defense | Date of Award | Details of External Examiner   | Title of Thesis/Topic   |
|------|----------|--------------------|--|---|----------------|--------------------|-----------------|---------------|--|---|
| 1    | 041751   | Rajesh Kumar Gupta | Prof. (Dr.) Karanjeet Singh                        | Prof. (Dr.) Harinder Singh & Prof. (Dr.) S.C. Katyal                        | Awarded (2007) | 13-Feb-03          | 27-Sep-07       | 05-Oct-07     | Prof. (Dr.) J.C Misra<br>Centre for Theoretical Studies,<br>I.I.T Kharagpur    | Lie Symmetries and Exact Solutions of Some Nonlinear Partial Differential Equation                                  |
| 2    | 051764   | Rakesh Kumar       | Prof. (Dr.) D S Hooda & Prof. (Dr.) Harinder Singh | Prof. (Dr.) Karanjeet Singh, Dr. Archan Bhattacharya                        | Awarded (2009) | 17-Jan-06          | 05-Feb-09       | 06-Feb-09     | Prof Om Prakash, Guru Nanak Dev University   GNDU · Departm ent of Mathematics | Fuzzy Regression, Clustering and Generalized Measures of Fuzzy Information  |
| 3    | 086852   | Neeraj Gandotra    | Prof. (Dr.). R.K Bajaj & Dr. Nitin Gupta           | Prof. (Dr.) Karanjeet Singh<br>Dr. Pradeep Kumar                            | Awarded (2014) | 17-Jan-09          | 27-Mar-14       | 27-Mar-14     | Prof(Dr.)R.K Tuteja,Director, N. C Institute of Computer Science,Panipat       | Reliability Properties of Residual Life Time, Inactivity Time & Decision Making in Intuitionistic fuzzy Environment |
| 4    | 086851   | Meenakshi Devi     | Dr. R.S Raja Durai                                 | Prof(Dr.) Karanjeet Singh,<br>Dr. Davinder Singh Saini,<br>Dr. Neel Kanth   | Awarded (2014) | 18-Jul-08          | 13-Nov-14       | 13-Nov-14     | Dr. Manish Gupta,<br>Associate Professor DA-<br>IICT, Gujarat                  | On the Class of T-Direct Codes: Constructions, Properties, and Applications   |
| 5    | 116852   | Tanuj Kumar        | Prof. (Dr.) R.K Bajaj                              | Prof. (Dr.) Karanjeet Singh,<br>Dr. R.S Raja Durai,<br>Prof(Dr.) P.B Barman | Awarded (2015) | 20-Jul-11          | 22-May-15       | 22-May-15     | Prof. H. C. Taneja, DTU<br>New Delhi   | Information and Similarity Measures of Intuitionistic Fuzzy and Soft Set  |
| 6    | 126851   | Madan Mohan Sati   | Dr. Nitin Gupta & Prof. (Dr.) Harinder Singh       | Prof. (Dr.) R.K Bajaj,<br>Dr.Vineet sharma                                  | Awarded (2017) | 19-Jul-12          | 15-Apr-17       | 15-Apr-17     | Prof. (Dr.) Parminder Singh,<br>Department of Mathematics,<br>GNDU, Amritsar   | Generalization of Varma and Tsallts Entropies and Their Properties  |

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|------|----------|------------------|---|---|----------------|--------------------|-----------------|---------------|--|---|
| 7    | 116851   | Manoj Gaur       | Prof. (Dr.) Karanjeet Singh                           | Prof(Dr) R.K Bajaj,<br>Dr.R.S Raja Durai,<br>Prof(Dr.) S.V Bhooshan | Awarded (2017) | 20-Jul-11          | 04-Dec-17       | 04-Dec-17     | Prof(Dr.) S. K Tomar,<br>Department of Mathematics,<br>Panjab University Chandigarh        | Symmetry Analysis of Some Fractional Order Partial Differential Equations                                       |
| 8    | 176851   | Preeti Devi      | Prof. (Dr.) Karanjeet Singh                           | Prof(Dr.)R.K Bajaj,<br>Prof(Dr.) P.B Barman,<br>Dr. R.S Raja Durai  | Awarded (2021) | 19-Jul-17          | 20-Aug-21       | 23-Aug-21     | Prof R. K Upadhay,<br>Department of Mathematics,<br>ISM Dhanbad                            | Differential Equations for Lie Symmetries and Exact Solutions   |
| 9    | 176852   | Abhishek Guleria | Prof. (Dr.) R.K Bajaj                                 | Dr.R.S Raja Durai,<br>Dr.P.K pandey,<br>Dr.Vivek Sehgal             | Awarded (2020) | 19-Jul-17          | 04-Dec-20       | 04-Dec-20     | Prof Shiv Prasad Yadav,Department of Mathematics,<br>I.I.T Roorkee                         | Some New Approaches to solve Decision Making Problems under Pythagorean Fuzzy Set Environment                   |
| 10   | 176853   | Neelam Gupta     | Dr. Neel Kanth  | Dr. R.S Raja Durai,<br>Dr. P.K Pandey,<br>Dr. Surjeet Hazra         | Awarded (2022) | 19-Jul-17          | 21-Mar-22       | 24-Mar-22     | Prof M.K Sharma<br>Department of Mathematics Thapar University, Patiala                    | Mathematical Modelling and Simulation of Hard and Soft Nip Calenders Used in Textile Industry                   |
| 11   | 176854   | Sameer           | Dr. P.K Pandey  | Dr. R.S Raja Durai,<br>Dr. Neel Kanth,<br>Dr. Vineet Sharma         | Awarded (2021) | 19-Jul-17          | 04-Feb-22       | 08-Feb-22     | Prof Gauri Shanker,<br>Department of Mathematics,<br>Central University of Punjab,Bhatinda | Investigation of Certain Curves and Mettalic Structures on Manifolds  |
| 12   | 176855   | Mahima Poonia    | Prof(Dr.) .R.K Bajaj &<br>Prof. (Dr.) Karanjeet Singh | Dr. P.K Pandey,<br>Dr. Saurabh Srivastava,<br>Dr. Vineet            | Awarded (2022) | 19-Jul-17          | 12-Aug-22       | 20-Aug-22     | Prof.Kamal Raj Pardasani,Department of Mathematics,MNIT Bhopal                             | On Complex Extentions and Information Measures Of Neutrosophic,Hesitant & Picture Fuzzy Sets in Decision Making |

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| 13   | 186853   | Swati          | Prof. (Dr.) Karanjeet Singh & Dr. Mandeep Singh | Dr. P.K Pandey,<br>Dr.Neel Kanth<br>Dr.Vineet Sharma                 | Awarded (2022)                     | 20-Jul-18          | 20-Oct-22       | 22-Oct-22     | Prof. Dharendra Bahuguna, Department of Mathematics, I.I.T Kanpur | Numerical Investigation Of Some NonLinear Initial and Boundary Value Problems Through Haar Wavelets |
| 14   | 186852   | Ashwini Kumar  | Dr. R.S. Raja Durai                             | Dr. Saurabh Srivastava,<br>Prof. (Dr.).R.K Bajaj,<br>Dr. Salman Raju | Awarded (2023)                     | 20-Jul-18          | 22 May,2023     | 25 May,2023   | Prof. Sudhir R Ghorpade, Department of Mathematics, IIT Bombay    | LCD MRD Error Correcting Codes, Coding Schemes, Properties and Applications                         |
| 15   | 186851   | Shaveta Kumari | Dr. Saurabh Srivastava                          | Dr. R.S.Durai,<br>Dr. Neel Kanth<br>Dr. Vineet Sharma                | Thesis Submitted (20th March 2023) | 20-Jul-18          |                 |               |   |   |