



**DEPARTMENT OF STATISTICS  
FACULTY OF MATHEMATICAL SCIENCES  
UNIVERSITY OF DELHI  
DELHI-110007**



### **Ph.D. Completed during the Academic Year Since 2009-2010**

The following is a list of the Ph.D. Awarded during different academic years.

#### **Academic Year 2024-2025**

<b>S.No.</b>	<b>Name of the Candidate</b>	<b>Name of the Supervisor</b>	<b>Title of the thesis/topic</b>	<b>Date of Viva-Voce</b>
1.	Rashmi Sharma	Prof. Poonam Singh	Construction of Designs for Diallel Crossing System	01-11-2024
2.	Himanshu Shukla	Prof. Poonam Singh	Designs for Mixture Experiments	13-02-2025

#### **Academic Year 2023-2024**

<b>S.No</b>	<b>Name of the Candidate</b>	<b>Name of the Supervisor</b>	<b>Title of the thesis/ Topic</b>	<b>Date of Viva-Voce</b>
1.	Mr. Dipendra Bahadur Chand	Prof. Ranjita Pandey	Bayesian Regression Study on some Economic Indicators in selected Asian Countries	February 22, 24
2.	Mr. Nilesh Kumar	Prof. Poonam Singh	Orthogonal and Nearly Orthogonal Latin Hypercube Design for Computer Experiments	February 22, 24
3.	Mr. Santosh Babu	Prof. Poonam Singh	Some Contribution to the construction of Mappable Nearly Orthogonal Arrays	March 12, 2024
4.	Ms. Seema Pant	Prof. Gurprit Grover	Some Contribution to Cure Rate Estimation under Various Conditions	September 26, 2023
5.	Ms. Neetu Jain	Dr. Narender Pushkaran	Some Contribution to moments of Order Statistics and their Inferential Aspects	November 09, 2023

**Academic Year 2022-2023**

<b>S.No</b>	<b>Name of the candidate</b>	<b>Name of the Supervisor</b>	<b>Title of the thesis/ Topic</b>	<b>Date of Viva-Voce</b>
1.	Ms. Himanshu Tolani	Prof. Ranjita Pandey	Assessment of Event Dynamics Through Bayesian Models	April 18, 2023
2.	Mr. Shubham Saini	Dr. Sachin Tomar	Some Contributions to Estimation procedures for Lifetime Models using Censored Data	February 24, 2023
3.	Ms. Ankita Sharma	Prof. Gurprit Grover & M.K.V.	On the Development of Models for Studying Progression of Type-2 Diabetes	February 17, 2023
4.	Mr. Parmeet Kumar Vinit	Prof. Gurprit Grover	On the Development of Some Insurance Plans for HIV/AIDS and Cancer Patients	February 17, 2023
5.	Ms. Komal	Dr. Ashish Kumar Shukla	Some Estimation Procedures of Stress-Strength Reliability Using Record Values.	February 20, 2023
6.	Mr. Pulkit Srivastava	Prof. Ranjita Pandey	Bayesian Parametric Estimation of Log-logistic and Related Models under Different Censoring Schemes	February 21, 2023
7.	Ms. Sanya Aggarwal	Prof. Gurprit Grover & Dr. Sangeeta Chakravarti	Robust Statistical Models of Health Economic Evaluation: Analysing the burden of Covid-19 and HIV/AIDS	June 23, 2023
8.	Ms. Radhika Magan	Prof. Gurprit Grover	Qualifying the Estimation of Quality of Life by Means of Statistical Models	June 16, 2023
9.	Mr. Danish Ali	Prof. Ranjita Pandey	Bayesian Inference for Lifetime Models: Some Contribution	June 27, 2023

**Academic Year 2021-2022**

<b>S.No</b>	<b>Name of the candidate</b>	<b>Name of the Supervisor</b>	<b>Title of the thesis/ Topic</b>	<b>Date of Viva-Voce</b>
1.	Ms. Neha Midha	Prof. Poonam Singh	Efficient Mixture Designs using Orthogonal Arrays	November 18, 2021
2.	Mr. Vishal Deo	Prof. Gurprit Grover	Applications of Survival and Epidemiological Models in Cost- Effectiveness Analysis	August 31, 2021
3.	Mr. Arpan Kumar Thakur	Prof. Gurprit Grover	On the Estimation of Long Term Survivors Under Various Conditions Using Cure Fraction Model	December 16, 2021
4.	Ms. Kanika Verma	Dr. Narender Pushkaran	Contributions to Moments of Ordered Random Variables and associated Inference	February 16, 2022

5.	Mr. Neeraj Joshi	Prof. Ashish Kumar Shukla	Multi-Stage and Sequential Estimation Strategies under an Inverse Gaussian Distribution With Applications	February 24, 2022
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#### Academic Year 2020-2021

S.No.	Name of the Candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Mr. Narendra Kumar	Late Prof. Ajit Chaturvedi	Inferences for Some Reliability Models Based on Progressive Type II Right Censoring	December 23, 2020
2.	Ms. Anshikha Bhatnagar	Late Prof. Ajit Chaturvedi	Contributions to preliminary Test Estimators for Some Reliability Models	February 18, 2021
3.	Mr. Shrawan Kumar	Prof. Gurprit Grover & Dr. Alka Sabharwal	Statistical Modeling for the Progression for Chronic Kidney Disease in the Presence of Prognostic Factors	October 15, 2020
4.	Mr. Ashok Kumar	Prof. Poonam Singh	Optimal Designs for Some Nonlinear Regression Models	February 15, 2021
5.	Ms. Shikha Sehgal	Dr. Narender Pushkaran & Dr. Jagdish Sharan	Some Contributions to Moments or Ordered Statistical and Associated Inference	February 12, 2021
6.	Mr. Anurag Sharma	Prof. Gurprit Grover	On the Estimation of Survival Time While Reducing the Number of Predictors using different correlation Techniques	22/02/2021

#### Academic Year 2019-2020

S.No.	Name of the Candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Mr. Shantanu Vyas	Prof. Ajit Chaturvedi	"Contributions to Inferential Procedures for Some Reliability Models"	August 16, 2019
2.	Ms. Rashmi Goel	Prof. Poonam Singh	"Designs for Mixture Experiments through Projections"	October 23, 2019
3.	Ms. Sakshi Kaushik	Prof. Gurprit Grover & Dr. Alka Sabharwal	Quantifying Different aspects of Mental Disorders through Statistical Modelling.	October 23, 2020

#### Academic Year 2018-2019

S.No.	Name of the Candidate	Name of the Supervisor	Title of the Thesis/Topic	Date of Viva-Voce
1.	Ms. Ananya Malhotra	Prof. Ajit Chaturvedi	"Inferential Procedures for some Reliability Models based on Records"	September 07, 2018
2.	Ms. Komal Goel	Prof. Gurprit Grover	"On the Estimation of Cure Rate Along with Identification of Significant Prognostic	October 04, 2018

			Factors of Cancer Patients”	
3.	Ms. Taruna Kumari	Prof. Ajit Chaturvedi	“Classical and Bayesian Inferential Procedures for some Reliability Characteristics”	October 12,2018
4.	Ms. Neera Kumari	Dr. Ranjita Pandey	“Some Contributions to Bayesian Estimation procedures for Lifetime Models”	January 25,2019
5.	Ms. Shruti Nandchahal	Prof. Ajit Chaturvedi	“Some Contributions to Shrinkage Estimation”	February 22,2019

#### Academic Year 2017-2018

S.No.	Name of the candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Mr. Anupam Pathak	Prof. Ajit Chaturvedi	“Contributions to Estimation Procedures for Some Exponentiated Distributions”	August 21, 2017
2.	Mr. Vinay Kumar	Prof. Gurprit Grover	“Some Contributions to Multiple Imputation for Missing Data in Survival Analysis”	October 9, 2017
3.	Ms. Garima Priyadarshini	Prof. Poonam Singh	“Some Contributions to the Construction of CrossOver Designs”	October 30,2017
4.	Ms. Kalpana Yadav	Dr. Ranjita Pandey	“Some Contributions to estimation procedures in sample surveys using auxiliary information based on imputation”	December 14, 2017
5.	Ms. Charanjit Kaur	Dr. Ranjita Pandey	“Some Contributions to Fertility Models and its Determinants in Context of India”	January 09, 2018
6.	Mr. Kamal Nain	Prof. Jagdish Saran	“Some Contributions to Order, Generalized Order and Record Statistics”	February 01,2018

#### Academic Year 2016-2017

S.No	Name of the Candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Ms. Puja Thapliyal nee Puja Kagdiyal	Prof. Poonam Singh	“Some Contributions to Trend Free Designs”	November 30,2016
2.	Mr. Prafulla Kumar Swain	Prof. Gurprit Grover	“Estimation of Survival of HIV/AIDS patients on Antiretroviral Therapy in the presence of covariates using Accelerated Failure Time Models with frailty effects”	December 19,2016
3.	Ms. Juhi Mittal	Prof. Gurprit Grover	“Parametric Models for Estimating Onset Time of Nephropathy in Type 2 Diabetic Patients”	December 20,2016
4.	Ms. Rashmi Tiwari	Prof. Jagdish Saran	“Some Aspects of Moments of Ordered Statistics”	March 30,2017

**Academic Year 2014-2015**

S.No	Name of the candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Ms. Barnali Deka	Dr. Gurprit Grover	“Some Contributions to the Survival Modeling of Interval Censored Chronic Kidney Disease Data”	December 01, 2014
2.	Mr. V. Ravi	Dr. Gurprit Grover	“On the Estimation of HIV/AIDS Population in India and Study of Prognostic Factors Effecting the Survival of Patients Undergoing Anti-Retroviral Therapy”	February 18, 2015
3.	Ms. Divya Seth	Dr. Gurprit Grover	“On the Estimation of survival time and identification of prognostic factors of advance liver disease patients using various statistical models”	May 13, 2015

**Academic Year 2013-2014**

S.No.	Name of the Candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Ms. Archana Verma	Prof. M.L. Agrawal & Dr. S.R. Chowdhury	Response Surface Designs Under Split-plot Structure	July 18, 2013
2.	Md. Wasi Alam	Dr. Ajit Chaturvedi	Classical Bayesian and Sequential Inferences for Some Reliability Models	September 03, 2013
3.	Ms. Sudeepta Ghosh	Dr. Ajit Chaturvedi	Contributions to Inferential Procedures for some Reliability Models	March 11, 2014

**Academic Year 2012-2013**

S.No.	Name of the Candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voca
1.	Mr. Manoj Kumar Varshney	Dr. Gurprit Grover	On the modeling and estimation of HIV/AIDS population under various conditions	January 21, 2013

**Academic Year 2011-2012**

S.No.	Name of the candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Mr. Basudev Kole June 06, 2011	Dr. Poonam Singh	Computer Aided Search for Efficient Supersaturated Designs	June 06, 2011
2.	Ms Bushra Husain	Dr. Poonam Singh	Optimal Orthogonally Blocked Mixture Designs Using F Squares	September, 13, 2011
3.	Mr. Mahesh Kumar Panda	Dr. Poonam Singh	Some Contributions to Optimal Designs for Experiments with Mixtures	December 13, 2011
4.	Ms. Dulumoni Das	Dr. Gurprit Grover	On The Estimation of HIV Mortality Rate and Survival Function of HIV/AIDS Patients under Various Conditions using Parametric, Non parametric and Semiparametric Techniques	March 16, 2012
5.	Ms. Alka Sabharwal	Dr. Gurprit Grover	On The Estimation of Progressive Effect of Type-2 Diabetes on Human System-Renal the Target Organ	March 16, 2012

**Academic Year 2010-2011**

S.No.	Name of the candidate	Name of the Supervisor	Title of the thesis/ Topic	Date of Viva-Voce
1.	Ms. Rumi Dutta	Dr. Gurprit Grover	A Study of Survival Pattern of Myocardial Infarction patients with prominent Cardiovascular risk factors using non-parametric and parametric techniques	October 18, 2010
2.	Ms. Aparna Pandey	Prof. Jagdish Saran	Some Contributions to Record Values and Generalized Order Statistics	November 23, 2010

**Academic Year 2009-2010**

S.No.	Name of the candidate	Name of the Supervisor	Title of the thesis/ Topic	Data of Viva-Voce
1.	Ms. Vandana Sharma	Dr. Ajit Chaturvedi	Classical and Bayesian Inferences for Some Distributions Useful in Reliability Theory	December 30, 2009
2.	Ms. Neeta Makhija	Dr. Gurprit Grover	On the Estimation of Survival Time of Cardiac Patients Under Various Conditions	May 03, 2010