



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



### **M.Phil. Completed during the Academic Year Since 2009-2010**

The following is a list of the M.Phil. Awarded during different academic years.

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

<b>S.No.</b>	<b>Name of the Candidate</b>	<b>Name of Supervisor</b>	<b>Title of Dissertation / Specialization</b>	<b>Date of Viva-Voce</b>
1.	Ms. Shweta Sharma	Prof. Ranjita Pandey	Bayesian Analysis of Some Linear Model: A Review	January 01, 2024

#### **Academic Year 2022-2023**

<b>S.No.</b>	<b>Name of the Candidate</b>	<b>Name of Supervisor</b>	<b>Title of Dissertation / Specialization</b>	<b>Date of Viva-Voce</b>
1.	Mr. Sunil Kumar	Prof. Ranjita Pandey	Classical and Bayesian Parametric Estimation for Weibull Distribution: A Theoretic Review	December 13, 2022
2.	Ms. Nausheen Musharaf	Prof. Ranjita Pandey	Bayesian Parametric Estimation: A Review	December 18, 2022
3.	Ms. Twinkal Jain	Prof. Ranjita Pandey	Bayesian Regression: A Case Study in Demographic Forecasting	February 24, 2023

#### **Academic Year 2021-2022**

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	Mr. Chitralok Hemraj	Prof. Gurprit Grover	A Comparative Study of Compartmental Epidemic Models with applications to COVID-19 data of India	June 06, 2022

#### Academic Year 2020-2021

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	NIL	NIL	NIL	NIL

#### Academic Year 2019-2020

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	Ms. Yashi Pal	Prof. Ajit Chaturvedi	"Asymptotic Theory of Sequential Estimation- A Review "	July, 22 2019
2.	Ms. Richa Jaiswal	Prof. Poonam Singh	"Experimental Designs in Big data analysis: A review"	November 21, 2019
3.	Mr. Abhay Kumar	Prof. Ranjita Pandey	"Asymptotics, Moment Relations, Characterizations and records: An Order Statistics Review"	November 29, 2019
4.	Mr. Himanshu Shukla	Prof. Poonam Singh	Uniform Design for Mixture Experiments: A Review	July 19, 2019

#### Academic Year 2018-2019

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	Mr. Santosh Babu	Prof. Poonam Singh	"Hadamard Matrices and Their Applications: A Review"	July, 20 2018
2.	Mr. Shekhar Das	Prof. Gurprit Grover	"Univariate time series models for forecasting disease incidence: A Review with Application"	July, 25 2018

3.	Mr. Sunil Kumar	Prof. Ajit Chaturvedi	"A Review of Classical and Bayesian Inferences for Some Distributions Useful in Reliability Theory"	July, 19 2018
4.	Mr. Ranjan Abhishek	Prof. Ajit Chaturvedi	"A Review of Classical, Bayesian and Sequential inferences for some reliability models"	October, 23 2018
5.	Ms. Sayani Dey	Dr. Ranjita Pandey	"Review of some Classical and Bayesian methods for complete and censored data"	April 02, 2019
6.	Ms. Sanya Aggarwal	Prof. Gurprit Grover	"Economic Evaluation And Statistical Techniques In Health Economics-A Review"	May 30, 2019
7.	Mr. Chatany Swaroop	Prof. Ajit Chaturvedi	"A Review of Contributions to Estimation Procedures for some Exponentiated Distributions"	June 17, 2019
8.	Mr. Himanshu Shukla	Prof. Poonam Singh	"Uniform Designs for Mixture Experiments: A Review"	July 19, 2019

#### Academic Year 2017-2018

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	Mr. Arpan Kumar Thakur	Prof. Gurprit Grover	"Cure rate model: A probable alternative to traditional survival models-A review and new dimension of its applications"	August 01, 2017
2.	Ms. Alisha Khan	Dr. Ranjita Pandey	"Fertility, Mortality and Population Density: Review of some estimation and modeling procedures"	August 18, 2017
3.	Mr. Himanshu Tolani	Dr. Ranjita Pandey	"Applied Bayesian Practices: A Review"	January 30, 2018
4.	Mr. Parmeet Kumar Vinit	Prof. Gurprit Grover	"Use of Survival Distributions in Actuarial Modelling"	May 21, 2018
5.	Ms. Radhika Magan	Prof. Gurprit Grover	"Health as a Human Capital: A Review of Economic Evaluation Methods for healthcare system with an application to Survival Analysis"	May 22, 2018
6.	Ms. Rashmi Sharma	Prof. Poonam Singh	"Complete Diallel Crossing Systems and Their Analyses: A Review"	July 13, 2018

#### Academic Year 2016-2017

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	Ms. Nilesh Kumar	Prof. Poonam Singh	"Orthogonal Array Based Latin Hypercube Designs: A Review"	March 22, 2017
2.	Mr. Anurag Sharma	Prof. Gurprit Grover	"Various Estimation Procedures in high dimensional AFT Models: - A Review"	May 09, 2017
3.	Ms. Kanika Verma	Prof. Jagdish Saran	"Relationships for moments of generalized order statistics- A Review"	May 23, 2017
4.	Mr. Pulkit Srivastava	Dr. Ranjita Pandey	"Some Applications Based on Markovian Models and Game Theory: A Review"	June 30, 2017

#### Academic Year 2015-2016

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	Ms. Shehnaz Saronwal	Dr. Poonam Singh	Minimum Aberration Fractional Factorial Designs – A Review	November 18, 2015

#### Academic Year 2014-2015

S.No.	Name of the Candidate	Name of Supervisor	Title of Dissertation / Specialization	Date of Viva-Voce
1.	Ms. Roopal Jyoti Singh	Dr. Ajit Chaturvedi	A Review of Classical and Bayesian Inferences for Some Lifetime Distributions	August 05, 2014
2.	Ms. Anusuya	Dr. Ajit Chaturvedi	A Review of Estimation and Testing Procedures for Some Lifetime Models	August 08, 2014
3.	Ms. Neena Yadav	Dr. Ranjita Pandey	A Review of Fertility Patterns: Theoretic and Modeling Approaches	November 07, 2014
4.	Mr. Ashok Kumar	Dr. Poonam Singh	Optimal Designs For Logistic Regression Model: A Review	December 03, 2014
5.	Mr. Mohammad Tayyab	Dr. Ranjita Pandey	Inferential and stochastic aspects of some lifetime models-A review from Classical and Bayesian perspective	February 09, 2015
6.	Ms. Neha Midha	Dr. Poonam Singh	Mixture Experiments: A Review	March 18, 2015
7.	Ms. Greeshma S. Nair	Dr. Gurprit Grover	Analysis of Censored Competing Risks Data: A Review	July 07, 2015

#### Academic Year 2013-2014

<b>S.No.</b>	<b>Name of the Candidate</b>	<b>Name of Supervisor</b>	<b>Title of Dissertation / Specialization</b>	<b>Date of Viva-Voce</b>
1.	Ms. Lovi Sharma	Prof. Jagdish Saran	Systematic Sampling Procedures for Structured Populations-A Review	September 06, 2013
2.	Ms. Shruti Pandey	Dr. Ajit Chaturvedi	A Review of The Classical and Bayesian Inferential Procedures for Some Families of Lifetime Distributions	June 02,2014

### **Academic Year 2012-2013**

<b>S.No.</b>	<b>Name of the Candidate</b>	<b>Name of Supervisor</b>	<b>Title of Dissertation / Specialization</b>	<b>Date of Viva-Voce</b>
1.	Ms. Divya Chauhan	Dr. Gurprit Grover	Illness-Death Models for Survival Time Studies- A Review	July 31, 2012
2.	Mr. Subodh Prakash Gaurav	Dr. Ajit Chaturvedi	A Review of Classical and Bayesian Inferences for some Distributions Useful in Reliability Theory	September 07, 2012
3.	Ms. Taruna Kumari	Prof. Jagdish Saran	Relationships for Moments of Record Values- A Review	September 13, 2012
4.	Ms. Richa Bhatia	Dr. Ajit Chaturvedi	A Review of the Inferential Procedures for Some Reliability Models Based on Censored Observations	October 18, 2012
5.	Ms. Riniti Chatterjee	Dr. Gurprit Grover	The Accelerated Failure Time Model in Survival Analysis: A Review	October 15, 2012
6.	Mr. Kunal Kapoor	Dr. Ajit Chaturvedi	A Review of Bayesian Estimation Procedures for Some Reliability Models	January 24, 2013

### **Academic Year 2011-2012**

<b>S.No</b>	<b>Name of the Candidate</b>	<b>Name of Supervisor</b>	<b>Title of Dissertation / Specialization</b>	<b>Date of Viva-Voce</b>
1.	Ms. Avneet Kaur	Dr. Ajit Chaturvedi	A Review of Classical and Bayesian Inference for Some Distributions Useful in Reliability Theory	December 08, 2011
2.	Ms. Komal Goel	Dr. Gurprit Grover	A Detailed Study of the Survival Analysis of Cancer Patients Using Various Markov Processes	December 13, 2011
3.	Ms. Sakshi Kaushik	Dr. Gurprit Grover	A Review of Semi-Parametric and Non Parametric Estimation Procedures for Recurrent Events	December 27, 2011

**Academic Year 2010-2011**

<b>S.No</b>	<b>Name of the Candidate</b>	<b>Name of Supervisor</b>	<b>Title of Dissertation / Specialization</b>	<b>Date of Viva-Voce</b>
1.	Ms. Juhi Mittal	Dr. Gurprit Grover	A Study on the Analysis of Epidemiology of Diabetes using Parametric, Non-parametric, Markov and IPRM Models	October 29, 2010
2.	Ms. Garima Gupta	Prof. Jagdish Saran	Relationships for Product Moments of Order Statistics from Continuous Distributions-A Review	April 05, 2011
3.	Ms. Maya K.V.	Dr. Poonam Singh	Response Surface Designs: A Review	June 03, 2011

**Academic Year 2009-2010**

<b>S.No.</b>	<b>Name of the Candidate</b>	<b>Name of Supervisor</b>	<b>Title of Dissertation / Specialization</b>	<b>Date of Viva-Voce</b>
1.	Ms. Rashmi Tiwari	Prof. Jagdish Saran	Relationships for Single, Product and Higher Order Moments of Order Statistics from Exponential and Related Distributions-A Review	July 17, 2009
2.	Ms. Sugandha Srivastava	Prof. M.C. Agrawal	Randomized Response Techniques in Survey Sampling: A Review	August 17, 2009
3.	Ms. Shikha	Dr. Ajit Chaturvedi	A Review of the Inferential Procedures for Some Reliability Models	June 4, 2010