


Format for Faculty Details for IGNOU Web site

	Name		Prof. Manish Trivedi
	Designation		Professor in Statistics
	Contact Address		School of Sciences, Raman Bhawan, Block- D, Academic Complex, Indira Gandhi National Open University Maidan Garhi, New Delhi – 110068
	Contact No.	Office	011-29572818
Cell		+919999985743/9958553979	
Email		manish_trivedi@ignou.ac.in	
EDUCATIONAL QUALIFICATIONS			
Degree	Year	Institute/University	
Ph.D.	2002	Dr. Hari Singh Gaur Central University, Sagar (MP)	
Masters	1997	School of Statistics, U. T. D., Devi Ahilyabai Viswavidyalaya, Indore (MP)	
Bachelors	1995	Holkar Science College, Devi Ahilyabai Viswavidyalaya, Indore (MP)	
PGDCA	2003	Makhanlal Chaturvedi Rastriya Patrakarita Viswavidyalaya, Bhopal (MP)	
CAREER PROFILE			
Teaching Experiences: More than 19 years <ul style="list-style-type: none"> Worked as Assistant Professor in Grade pay of Rs. 6000/- from July 11, 2003 to March 31, 2008 in Department of Applied Mathematics, Birla Institute of Technology Mesra, Ranchi. Worked as Assistant Professor in Grade pay of Rs. 7000/- from April 01, 2008 to November 17, 2010 in Department of Applied Mathematics, Birla Institute of Technology Mesra, Ranchi. Worked as Reader in School of Sciences, Indira Gandhi National Open University, Maidan Garhi, New Delhi – 110068 from November 18, 2010 to November 17, 2013. Worked as Associate Professor in School of Sciences, Indira Gandhi National Open University, Maidan Garhi, New Delhi – 110068 from November 18, 2013 to November 17, 2016. Working as Professor in School of Sciences, Indira Gandhi National Open University, Maidan Garhi, New Delhi – 110068 since November 18, 2016. 			
AREA OF INTEREST/SPECIALIZATION			
<ul style="list-style-type: none"> SAMPLING DESIGNS, ESTIMATION TECHNIQUES 			
ROLE AND RESPONSIBILITIES AT IGNOU			
ROLE AT IGNOU: <ul style="list-style-type: none"> Designing and Development of the Curriculum and courses of New Programmes at different levels of Degrees, Diplomas and Certificates in Statistics. Coordinating the Programmes and courses of New Programmes at different levels from the stage of Proposal to Launch. 			

- Maintenance of the Academic Programmes on offer, Teaching and Counselling to the students before and after the admission in the programmes.
- Conducting the Research in Core as well as the allied areas of Statistics.

RESPONSIBILITIES AT IGNOU:

1. Discipline Co-ordinator

From December 01, 2010 to January 31, 2012 (1-year)

From February 16, 2014 to February 15, 2016 (2-year)

From February 16, 2018 to February 15, 2019 (1-year)

From February 17, 2022 to February 16, 2023 (1-year)

2. Member of Bachelor Degree Programme Committee

From December 01, 2010 to November 15, 2011 (1-year)

From November 2012 to till date

3. Member of School Board

From July 2012 to October 2014

From October 2018 to till date

4. Convener of School Council of School of Sciences:

From May 2018 to August 2021

5. Programme Co-ordinator of PGDAST programme (32 Credits)

From January 2011 to Till Date

6. Course Co-ordinator of PGDAST programme

- MST-002: Descriptive Statistics (4 Credits)
- MST-005: Statistical Techniques (4 Credits)
- MSTE-002: Industrial Statistics-II (4 Credits)

From January 2011 to Till Date

7. Course Co-ordinator of B.Sc.(General) in Statistics programme

- BSTCT-131: Descriptive Statistics and Probability (4 Credits)
- BSTCL-132: Descriptive Statistics and Probability Lab (2 Credits)
- BSTCT-137: Sampling Theory and Design of Experiments (4 Credits)
- BSTCL-138: Sampling Theory and Design of Experiments Lab (2 Credits)
- BSTST 184: Statistical Techniques for Research Method (4 Credits)
- BSTSL 185: Statistical Techniques for Research Method Lab (2 Credits)

From May 2016 to Till Date

8. Programme Co-ordinator of PHDSTAT programme

From July 2013 to February 2017

9. Convener of CEDR Committee of School of Sciences

From July 2016 to till date
10. Member of the Print Committee of School of Sciences
From July 2013 to till date
11. Member of Seminar and Cultural Committee
From November 16, 2011 to November 2012
12. Member of Counsellor's Remuneration Committee of School of Sciences
From July 2013 to till date
13. Member of the Cleanliness Committee of School of Sciences
From July 2016 to till date
14. Appointed Nodal Officer in School of Sciences for NAAC Team Visit to the University
From June 5, 2019 till the NAAC Team Visit to the University

RESEARCH GUIDANCE

Supervision	Year of completion	Name	Ph. D. Topic
Doctoral Students	Ph. D. degree awarded on May 16, 2011	Mr. Ripunjai Kumar Shukla	Statistical Modelling of Weather Parameters with special reference to forest fire in Jharkhand State
	Ph. D. degree awarded on July 22, 2019	Mr. Satish Konda	Generalisation of Smoothed Nonparametric Estimation of Finite Mixing for Non-iid Sequences with Applications
	Registered in April 2017 Thesis about to be Submitted	Mr. P. K. Banerjee	Development of Sampling Strategies Based on Post-stratification and its Application
	Registered in July 2020 Synopsis Approved	Mr. Hemanta Kumar	Estimation of Population Mean Under Stratified Random Sampling using Auxiliary Information in Sample Surveys

RESEARCH PUBLICATIONS

In International Journals:

1. **D. Shukla and M. Trivedi,(2002);** *Mean Estimation in Deeply Stratified Population Under Post-stratification* Indian Society Agricultural Stat.(2001), 54(2) PP 221-235.
2. **D. Shukla, M. Trivedi and J. Dubey, (2002);** *Efficient Estimation in Post- Stratification Using Prior Information and Grouping Strategy*, Ind. Soc. Agricultural Statistics (2002), 55(2), 158-173.
3. **D. Shukla and M. Trivedi,(2006);** *Examining Stability of Variability Ratio With Application In Post- stratification*, International Journal of Management and System (2006), Vol. 22, No. 1, pp.59-70.
4. **D. Shukla and M. Trivedi,(2006);** *Post-stratification in deeply stratified population*, Statistics In Transition(2006), Journal of Polish Statistical Association, Vol -7,No. 6, pp.1295-1310.
5. **D. Shukla and M. Trivedi,(2007);** *Efficient estimation Using Deep-Post-stratification Under Two-Way $r \times r$ Set-up*, Statistics in Transition (2007), Journal of Polish Statistical Association, Volume 8, Number 2, pp.311-330.
6. **D. Shukla and M. Trivedi,(2007);** *Efficient Estimation in Post – Stratification Using Prior*

- Information*, International Journal of Mathematical Modelling, Simulation and Applications, Journal of Korea, Vol. 1, Issue 1, 2007, pp.85-96 .
7. **M. Trivedi, S. Padhi and S. Chakraborty (2007);** *Use of Computer Experiments to Study the Qualitative behaviour of the solution of second order neutral differential equations*, Interstate, October 2007, # 3, p.p.1-8, <http://interstat.statjournals.net/YEAR/2007/articles/0710003.pdf>.
 8. **M. Trivedi, S. Padhi and S. Chakraborty (2007);** *A statistical approach to the study of the behaviour of the solution of neutral Second order differential equation*, Australian Journal of Basic and Applied Science, October –December Volume, 2007, pp. 824-833.
 9. **D. Shukla and M. Trivedi,(2008);** *Efficient Estimator in Successive Sampling Using Post-stratification*, Interstate, February 2008, # 1, p.p.1-7, <http://interstat.statjournals.net/YEAR/2008/articles/0802001.pdf>.
 10. **M. Trivedi, Manoj Kumar and Repunjai Shukla (2008);** *Efficient Statistical Modeling Of Area, Production And Productivity Of Groundnut Arachis Hypogaea L.) In Semi Arid Region Of India*, International Journal of Mathematical Modelling, Simulation and Applications, Vol. 1, No. 3, 2008, pp- 321-327.
 11. **D. Shukla, Jayant Dubey and M. Trivedi,(2008);** *Factor Type Estimator Under Post-Stratification In Sample Surveys*, in Statistics in Transition, Volume 9, Number 2, September 2008, pp 69-78.
 12. **M. Trivedi, Manoj Kumar and Repunjai Shukla (2008);** *Time Series Models for Smoothing and Forecasting Weather Parameters Influencing Forest Fire*, Statistics in Transition, Vol.9, No.3, December 2008, pp 389-408.
 13. **M. Trivedi;** *Pooled Estimation Technique Under Post-Stratified Cluster Sampling Scheme*, InterStat, February 2009, # 1, p.p.1-16, <http://interstat.statjournals.net/YEAR/2009/articles/0902001.pdf>.
 14. **M. Trivedi, Manoj Kumar and Repunjai Shukla;** *Statistical Modelling On Weather Parameters To Develop Forest Fire Forecasting System*, Korean Journal of Applied Statistics, Volume 22(1), February 2009, pp. 221-235.
 15. **M. Trivedi, Manoj Kumar and Ripunjai Shukla,** *Stochastic Approach For Smoothing And Modeling Rainfall in Humid Sub-tropical Monsoon Region*, InterStat, August 2009, #2, pp. 1-16, <http://interstat.statjournals.net/YEAR/2009/articles/0908002.pdf>.
 16. **Gyan K. Agarwal, Manish Trivedi, Usha Jha, Rajendra K. Jha and Ripunjai K. Shukla;** *Impact Of Tobacco Smoke On The Respiratory Health Of Adults: A Statistical Approach*, InterStat, August 2010, #1, pp. 1-17. <http://interstat.statjournals.net/YEAR/2010/articles/201008001.pdf>
 17. **Repunjai Shukla, M. Trivedi and Manoj Kumar;** *On the proficient use of GEV distribution: a case study of subtropical monsoon region in India*, Anale. Seria Informatica. Vol. VIII fasc. I – 2010, Annals. Computer Science Series. 8th Tome 1st Fasc. – 2010, pp 81-92.
 18. **M. Trivedi, Manoj Kumar and Repunjai Shukla;** *Extreme Value Modelling of Maximum Temperature: A case study In Humid Subtropical Monsoon Region In India*, Statistics in Transition, Vol. 11, No. 1, 2010, pp. 91-104.
 19. **Gyan K. Agarwal, Manish Trivedi, Usha Jha, Rajendra K. Jha and Ripunjai K. Shukla;** *Tobacco Use And Its Impact On Respiratory Health: A Statistical Approach*, Statistics in Transition, Vol. 11, No. 1, 2010, pp. 47-62.
 20. **Padhi S., Trivedi, M.;** *On Asymptotic Behaviour of Solutions of Third Order Delay Differential Equations*, Fasciculi Mathematici, Vol. 46, No. I, 2011.
 21. **M. Trivedi, D. Shukla and S. Gangele;** *Elasticity Variation under Rest State Environment in Case*

of Internet Traffic Sharing in Computer Network, Int. Jour. Comp. Tech. Appl. Vol. 2(6), 2011, pp 2052-2060.

22.M. Trivedi, D. Shukla, S. Gangele and K. Verma; *Two-Call based Cyber Crime Elasticity Analysis of Internet Traffic Sharing In Computer Network*, International Journal of Computer Application, Issue 1, Volume 2, December 2011, pp. 27-38.

23.Y. S. Ramakrishnaiah, Manish Trivedi and Konda Satish; *On the Smoothed Nonparametric Estimation of Mixing Proportion based on Post-stratified Sample*, International Journal of Agricultural and Statistical Sciences, Vol. 14, No. 2, December 2018, pp. 803-816.

24.Y. S. Ramakrishnaiah, Manish Trivedi and Konda Satish; *On smoothed nonparametric estimation of mixing proportion under fixed design regression model*; Aligarh journal of Statistics, Volume 38(2018), pp. 103-126.

25.Y. S. Ramakrishnaiah, Manish Trivedi and Konda Satish; *On The Smoothed Parametric Estimation of Mixing Proportion Under Fixed Design Regression Model*, Statistics in Transition, Vol 20, No 1, 2019, pp. 87-102.

26.Manish Trivedi and Repunjai Kumar Shukla; *Seasonal Cumulative Rainfall Modeling using Exponential Family distribution*; International Journal of Agricultural and Statistical Sciences, Vol. 15, No 2, 2019, pp. 555-563.

27. Manish Trivedi, P. K. Bandyopadhyay and V. K. Singh; *A new Post-stratified Estimator in Successive Sampling*; International Journal of Agricultural and Statistical Sciences, Vol. 16, No 2, 2020, pp. 871-876.

In National Journals:

28.D. Shukla and M. Trivedi (2000); *Mean Estimation in 2 x 2 Classified Dichotomous Population Under Post-stratification*, Appl. Sci. Perio. (2000), Vol. 2, No.4, 202-206.

29.D. Shukla and M. Trivedi (2003); *Some Estimators for Small Area Estimation Using Coefficient of Variation*, The Mathematical Society, Vol. 19, 2003, 153-163.

30.D. Shukla and M. Trivedi (2004); *Estimation Under Non Response in E- mail Based Market Surveys*, Confluence, Journal of Management (2004), Vol. 01, NO. 01, pp.33-40.

31.D. Shukla and M. Trivedi (2005); *An Estimator Under Post Stratified Cluster Sampling*, Applied Science Periodical (2005), Vol. VII, No. 3, pp.130-134.

32.D. Shukla and M. Trivedi (2007); *An Efficient Group of Estimators for Mean Estimation In Post-stratified Cluster Design*, Madhya Bharti, Vol. 53, September 2007, pp. 49-63.

33.D. Shukla and M. Trivedi (2008); *A Modified Group of Estimators for Mean Estimation In Post-stratified Cluster Design*, Book Review "Statistical Technique in Life-Testing, Reliability, Sampling Theory and Quality Control", Narosa Publishing House, New Delhi, 2008, pp. 88-103.

34.M. Trivedi, Manoj Kumar and Kanhaiya Narayan Mishra; *Land Use / Land Cover Dynamics In A Coal Mining Area In Jharkhand State*, Madhya Bharti, Journal of Physical and Natural Sciences, Vol. 55, 2010, pp. 100-111.

35.Ripunjai Shukla, M. Trivedi and Manoj Kumar; *On the Use of Neural Network: A Case Study Of Extreme Temperature In Humid Subtropical Monsoon Region Of India*, Revisely Submitted in MAUSAM, Indian Metrological Society.

In National and International Conference Proceedings:

36. D. Shukla and M. Trivedi,(1999); *A New Estimator for Post Stratification Sampling Scheme*, Bayesian Analysis, Proceedings of NSBA-TA (1999), pp. 206-217.

37. D. Shukla and M. Trivedi,(2003); *Mean Estimation Under Post Stratified Cluster Sampling*

Scheme Proceedings of An International Conference on “Advances in mathematics, Statistical and Computational Methods in Science and Technology” (2003), pp. 187-194.

- 38. M. Trivedi, Manoj Kumar and Repunjai Shukla; Probability Estimate Versus Statistical Modeling: The Extreme Maximum Temperature Case In Ranchi, Accepted in Proceedings of National Meet Of Research Scholars In Mathematics & Statistics (NMRSMS-08), December 06-10, 2008, at IIT Kanpur.**

Books/Book Chapter:

S.N o.	Name of Author1/ Editor 1, & Co-author (s) / Co-editor (s) (if any)	Title of chapter	Place of publication	Publisher	Year	Total Pages	ISBN No.
1	Dr. Manish Trivedi	Classification and Tabulation of Data	IGNOU, New Delhi	IGNOU, New Delhi	2012	18	978-81-266-5976-0
2		Diagrammatic Representation of Data				24	
3		Graphical Representation of Data-I				14	
4		Graphical Representation of Data-II				17	
5	Dr. Manish Trivedi	Moments	IGNOU, New Delhi	IGNOU, New Delhi	2011	14	978-81-266-5757-5
6		Skewness and Kurtosis				10	
7	Dr. Manish Trivedi	Introduction to Sampling Surveys	IGNOU, New Delhi	IGNOU, New Delhi	2011	18	978-81-266-5784-1
8		Simple Random Sampling				20	
9		Stratified Random Sampling				16	
10		Some Other Sampling Schemes				18	
11	Dr. Manish Trivedi	Standard Sampling distributions-I	IGNOU, New Delhi	IGNOU, New Delhi	2013	16	978-81-266-6476-4
12		Standard Sampling distributions-II				22	
13	Dr. Manish Trivedi	Simple Linear Regression	IGNOU, New Delhi	IGNOU, New Delhi	2014	22	978-81-266-6849-6
14	Dr. Manish Trivedi Prof. G. K. Shukla	Statistical Inference in Simple Linear Regression				18	
15		Multiple Linear Regression				24	
16		Selection of Variables and Testing Model Assumptions				17	
17	Dr. Manish Trivedi Prof. G. K. Shukla	Trend Component Analysis	IGNOU, New Delhi	IGNOU, New Delhi	2014	28	978-81-266-6850-2
18		Seasonal Component Analysis				22	
19		Stationary Process				18	

20		Time Series Models				19	
21	Prof. Manish Trivedi	Data Management	IGNOU, New Delhi	IGNOU New Delhi	2022	39	https://egyankosh.ac.in/handle/123456789/90484
22		Descriptive Statistics-I				42	https://egyankosh.ac.in/handle/123456789/90486
23		Descriptive Statistics-I				35	
24	Prof. Manish Trivedi and Prabhat Kr. Sangal	Sampling Distribution	IGNOU, New Delhi	IGNOU New Delhi	2022	35	https://egyankosh.ac.in/handle/123456789/90486
25		Statistical Analysis-I				30	
26		Statistical Analysis-I				29	
27		Analysis of Variance Test				26	
28	Prof. Meenakshi Shrivastava and Prof. Manish Trivedi	Introduction to Vital Statistics	IGNOU, New Delhi	IGNOU New Delhi	2022	19	978-93-5568-484-4
29		Measures of Vital Statistics				24	
30		Standardisation and Life Table				13	
31		Construction of Life Tables				17	

CONFERENCES/SEMINARS/WORKSHOPS ORGANISED/PARTICIPATED

A. Conferences/Seminars/Workshops organised	: 02
B. Conferences/Seminars/Workshops participated/ Attended	: 18
C. Paper Presented In Seminar / Conferences	: 11

RESEARCH PROJECTS

Sponsoring Agency	Period	Grant	Project Title	P. I. / Co-Investigator(s)
NRDMS, DST, Govt. of India, New Delhi	3 years Completed	Rs. 30 Lakhs	Development of Forest Fire Forecasting System for Jharkhand state Using Statistical models and GIS	As Principal Investigator
Deptt. Of Science and Technology, Govt. of Jharkhand	2 years Completed	Rs. 75 lakhs	Design and Development of Lightning Prediction and Protection System	As Co-Investigator

HONOURS/AWARDS/DISTINCTIONS

Fellowship:

1. During Intermediate education a **Merit Fellowship** of Govt. of M.P. granted for 2 years.
2. During the Ph. D. a **Merit Fellowship** of Govt. of M.P. granted for 3 years.

PROFESSIONAL ASSOCIATIONS

1. Worked as Organizing Secretary of the Jharkhand Statistical Society.
2. Working as a Reviewer of the Following Journals of International Repute:

- a. International Journal of Mathematical Modeling, Simulation and Application.
 - b. Nicotine and Tobacco Research
 - c. International Journal of Computer Mathematics
 - d. Environmental Education and Research
 - e. Thailand Journal of Statistics
 - f. Communications in Statistics - Theory and Methods
3. Lifetime member of the Indian Society of Technical Education from 2006.
 4. Lifetime member of Indian Society of Agricultural Statistics, New Delhi
 5. Lifetime member of the Madhya Bharti, Journal of Physical and Natural Sciences.