

CURRICULUM VITAE

<p>Dr VINAY K.TYAGI 12 Professor's Lodge, Modinagar U.P.-201204 Phone-09412574153 Email-vnaytyagi@gmail.com</p>	
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Personal Details:

Date of Birth : 15th January 1963
Marital Status : Married
Father's name : Mr. R.N.S.Tyagi
Present status : Associate Professor
Department of Statistics
Multianimal Modi (P.G.) College, Modinagar
Pin code - 201204

Educational Qualification:

M.Sc. (Statistics) : Passed in the year 1986 with first division from Meerut University, Meerut.
M.Phil. (Statistics) : Passed in the year 1987 with first division from Meerut University, Meerut. Secured first positions in the University.
Ph.D (Statistics) : Awarded in the year 1996 from Ch. Charan Singh University, Meerut.
Title of the Thesis : Stochastic Models in Engineering Reliability.
MBA (H. R.) : Passed in the year 2014 with first division from Shobhit University, Meerut.

Teaching Experience: 26 Years (as on 12 Feb. 2014)

Presently teaching Statistics to B.Sc & M.Sc Classes in the Department of Statistics , M.M.(P.G.) College Modinagar (U.P.). Also , serving as honorary visiting faculty in different Institutions for M.B.A , M.C.A , M.Pharma , B.B.A , B.C.A & B.Pharma Courses .

Research Experience : (Guiding Research students since 1998)

Guided 8 Ph.D. students and degree have been awarded. Supervised 14 M.Sc. , 7 M.Pharma & 1 M.B.A dissertation.

Consultancy Work:

Have been providing practical consultancy to business and industry professionals in different fields of statistics.

Publications: See Annexure-A

Computer knowledge:

Passed a certificate course - C.I.C from IGNOU, New Delhi.

Conferences/Seminar/Workshop Attended and Paper Presented:

1. Workshop on creating awareness about AIDS and its prevention through National Service Scheme (UNICEF Sponsored) organized by Department of Social and Preventive Medicine L.L.R.M Medical College Meerut .(Feb. 5-6, 1994).
2. U.G.C sponsored workshop on Reliability and Computer Application in Statistics and Related Areas hosted by Ch.Charan Singh University, Meerut. (March 11-12,2000)
3. Workshop on "Relevance of Intellectual Property Rights in an Emerging Developing Society (With special reference to India)" sponsored by Government of India Ministry of H.R.D , New Delhi & organized by G.D.M Girls (P.G.) College , Modinagar .(Sept. 10 , 2005).
4. National Conference on Applications of Mathematics in Engineering and Technology organized by Malout Institute of Management and Information Technology Malout (Punjab) & Indian Society of Information Theory & Applications . Chaired one of the sessions in the Conference.(March26-28,2005)
5. National Conference on Applications of Mathematics in Engineering and Technology organized by Malout Institute of Management and Information Technology Malout (Punjab) & Indian Society of Information Theory & Applications. Presented a paper entitled "Analysis of a Two Unit Hot Standby PLC System ". (March26-28,2005).
6. National conference on Information Technology : Setting Trends in Modern Era Hosted by N.C College of Engineering Isarana (Panipat). Presented a paper entitled "Reliability Analysis of a Complex Series System with Correlated Failures and Repairs."(March 18-20, 2006)\

7. National Conference on Information Technology and Operation Research Applications. Hosted by Graduate School of Business & Administration (GSBA), Sector Alpha-02 Greater Noida. Presented a paper entitled " A Two Dissimilar Unit Standby System With Correlated Failures and Repairs".(December 8-9,2007)
8. National Conference on Information Technology and Operation Research Applications. Hosted by Graduate School of Business & Administration (GSBA), Sector Alpha-02 Greater Noida. Presented a paper entitled " Implementation of Ant colony Optimization on Web Pages". (December 8-9,2007)
9. National Conference on Information Technology and Operation Research Applications. Hosted by Graduate School of Business & Administration (GSBA), Sector Alpha-02 Greater Noida. Presented a paper entitled " Conzestion free network design (Hyper cube with virtual ring)" (December 8-9,2007)
10. National Conference on " Emerging Trends In Computer Science & Information Technology". Hosted by AL-FALAH School of Engineering & Technology, Dhauj, Faridabad (Haryana). Presented a paper entitled " Semantic Indexing of Information in Chemical and Related Disciplines" (April 23, 2008)
11. International conference on "Mathematics & Soft computing (Applications in Engineering). Hosted by N.C.College of Engineering, Israna (Panipat).(December 4-5,2010).

Refresher and Orientation courses Attended:

1. Attended the Orientation and Training course for NSS Programme Officers, organized by Training and Orientation Centre, University of Roorkee, Roorkee. (June 21 to July 3 1993)
2. Participated in four week UGC sponsored Refresher Courses in Computer Science, Organized by Academic Staff College J.N.U New Delhi (Aug. 13 to Sept. 07, 2001).
3. Participated in a 3 week Professional Development Programme, Refresher Course in Statistics conducted by Centre for Professional Development in Higher Education University of Delhi, New Delhi.
4. Attended two Orientation Program for the Academic Counselors for the Programme -Management Program M.B.A. (5 Jan. & 30-31, Jan 2002).

Academic Administration:

1. **Member : Board of Studies , Ch.Charan Singh University Meerut .(5.5.1996 to 4.5.1998 &5.5.2006 to 4.5.2008)**
2. **Member: Research and Development Committee ,(RDC) Ch.Charan Singh University , Meerut.(2.6.1997 to 1.6.1999)**
3. **Convener: Research and Development Committee, (RDC) Ch.Charan Singh University, Meerut. (23. 09.2008 to 22.09.2010)**
4. **Referee : National and International Research Journals.**
5. **Member of Executive Committee of Indian Society of Information Theory and Applications since 2006.**
6. **Member of Editorial board of International Journal of Agricultural and Statistical Science.**
7. **Life Membership of Indian Society of Information Theory and Applications since**
8. **Chief Editor of International Journal of Essential Sciences.**

Administrative Responsibilities:

- ❖ **Program Officer N.S.S. (1992 to 1995).**
- ❖ **Manager Sports Council (1990 to 2000).**
- ❖ **Vice-Chairman Sports Council (1999 to 2004).**
- ❖ **Proctor of Science Faculty (2001 to 2002).**
- ❖ **Assistant Superintendent University Examination (2000, 2006,2008 ,2011, 2014).**
- ❖ **Co-Convener of Admission Committee (2001 to 2003.).**
- ❖ **Convener of Admission Committee from (2006 to 2014).**
- ❖ **Controller Checking (Assistant Controller) Cell of C.C.S University,Meerut, Answer-books evaluation 2002.**
- ❖ **Chief Procter of the Proctorial Board of M.M. (P.G.) College from 2006 to 2010.**

- ❖ **Observer, University B.Ed. Entrance Examination (2006,2007,2010,2012 , 2013,2014).**
- ❖ **Senior Superintendent in C.C.S.University, Meerut Examination in various years.**
- ❖ **Deputy Controller & Assistant Controller of evaluation of Answer books of C.C.S University in various years.**
- ❖ **Organizing President - 17th Intercollegiate Rovers & Ranger Smagam Function (12 to 14 Feb. 2009).**
- ❖ **Organizing Convenor - Intercollegiate cricket (M) tournament (2009-2010).**
- ❖ **Principal (officiating)-at M.M.(P.G.) College,Modinagar (23-12-2007 to 28-12-2007) & (24-05-2013 to 01-06-2013).**
- ❖ **Convener of College Press Correspondent Committee of of M. M. College,Modinagar (2014 to 15).**
- ❖ **Convener of Career and Counselling Cell of M. M. College,Modinagar (2013 to 15).**
- ❖ **Member of Medical/ First Aid Committee of M. M. College,Modinagar (2014 to 15).**
- ❖ **Member of Academic Advisory Committee of M. M. College,Modinagar (2014 to 15).**

RESEARCH PUBLICATIONS

1. Goel L.R. & V.K.Tyagi,

"A Two unit cold standby system with Allowed Downtime and Correlated Failures and Repairs". *Microelectronics & Reliability*, 32(4) pp. 503-507(1992).

2. Goel L.R. & V.K.Tyagi,

"A Two Unit Priority Redundant System with Three Modes and Correlated Failures and Repairs". *Microelectronics & Reliability*, 31(10) pp. 1367-1372(1992).

3. Goel L.R. & V.K.Tyagi,

"A Two Unit Series System with Correlated Failures and Repairs". *Microelectronics Reliability*". 33(14) pp. 2165-2169(1993).

4. Tyagi V.K.,

"Profit Analysis of Two Unit Standby System With rest Period of the Operator and Correlated Failures and Repairs". *Microelectronics & Reliability*, 35(4) pp. 753-757 (1995).

5. P.Bhardwaj, G.Taneja & Vinay K. Tyagi

"Reliability and Profit Analysis of a Programmable Logic Controller (PLC) Cold Standby System with Various Types of Failure". *Proceeding of 5th International Symposium on Optimization & Statistics. Hosted by Department of Statistics and Operation Research, Aligarh Muslim University, Aligarh Dec. 28-30 (2002).*

6. Gulshan Taneja, Vinay K. Tyagi & Pawan Bhardwaj

"Profit Analysis of a Single Unit Programmable Logic Controller (PLC)" *Pure and Applied Mathematka Science. Vol. LX No.1-2 (2004).*

7. Teneja G., P.Bhardwaj & V.K.Tyagi

"Analysis of a Two Unit Hot Standby PLC System" *Proceeding of the National Conference on Applications of Mathematics in Engineering & Technology. 7th Annual conference of Indian Society of Information Theory and Applications (ISITA) Hosted by MIMIT Malout, Punjab. March 26-28. (2005).*

8. Vivek Tyagi, V.K.Tyagi & P.C.Saxena

"Cac Based Static and Dynamic Bandwidth Allocation Schemes in ATM Networks" *Proceeding of 8th Annual Conference of Indian Society of Information Theory & Applications (ISITA) Hosted by N.C. College of Engineering, Israna (Panipat), Haryana March 18-20, (2006).*

9. Vinay K Tyagi & Surbhi Goel,

"Reliability Analysis of a Complex Series System with Correlated Failures and Repairs" Proceeding of 8th Annual Conference of Indian Society of Information Theory & Applications (ISITA) Hosted by N.C. College of Engineering, Israna (Panipat), Haryana March 18-20, (2006).

10. Vinay K. Tyagi & S.Goel,

"Two Unit Cold Standby System with the Provision of Preventive Maintenance and Correlated Failures and Repairs". Journal of International Academy of Physical Sciences, Vol. (11) pp.113-122 (2007).

11. Sachin Pathak V.K. Tyagi & S.B.Singh

"Wheat Crop Yield Forecasting Using Weather Parameters at an Organized Farm". Proceeding of 9th National Conference of Indian Society of Information Theory & Applications (ISITA) in Collaboration with Mathematika Science Society of India on Information Technology and Operational Research Applications Hosted by Graduate School of Business & Administration (GSBA), Sec. Alpha-02 Greater Noida. Dec. 8-9, (2007).

12. Vinay K. Tyagi & Chetna

"Analysis of a two dissimilar unit standby system with correlated failures and repairs" Proceeding of 9th National Conference of Indian Society of Information Theory & Applications (ISITA) in Collaboration with Mathematika Science Society of India on Information Technology and Operational Research Applications Hosted by Graduate School of Business & Administration (GSBA), Sec. Alpha-02 Greater Noida. (Dec. 8-9, 2007).

13. Vinay K Tyagi & Sujeet Kumar Sharma

"Implementation of Ant Colony Optimization on Web Pages" Proceeding of 9th National Conference of Indian Society of Information Theory & Applications (ISITA) in Collaboration with Mathematika Science Society of India on Information Technology and Operational Research Applications Hosted by Graduate School of Business & Administration (GSBA), Sec. Alpha-02 Greater Noida. (Dec. 8-9, 2007).

14. Vivek Tyagi & Vinay K Tyagi

"Congestion Free Network Design (Hypercube with Virtual Ring)" Proceeding of 9th National Conference of Indian Society of Information Theory & Applications (ISITA) in Collaboration with Mathematika Science Society of India on Information Technology and Operational Research Applications Hosted by Graduate School of Business & Administration (GSBA), Sec. Alpha-02 Greater Noida. (Dec. 8-9, 2007).

15. Vivek Tyagi & Vinay K. Tyagi

"Virtual Path Resource Allocation schemes in ATM Networks". Bulletin of Pure and Applied Sciences, Vol. (27) E No. (1) pp. 75-80 (2008).

16. Vinay K. Tyagi & S.Goel,

"Analysis of Three Unit Standby System with Inspection and Correlated Failures and Repairs". International Journal of Essential Sciences, Vol. (2) pp.9-18 (2008). ISSN: 0973-8436

17. Sachin Pathak, V.K. Tyagi & S.B.Singh

"Potato Crop Yield Forecasting Using Weather Parameters at Farrukhabad (Kanpur Zone)". International Journal of Essential Sciences, Vol. (3) No.1, pp-65-68 (2009)

18. Sachin Pathak, V.K. Tyagi & S.B.Singh

"Rice Crop Yield Forecasting Using Weather Parameters at an Organized Form". Journal of Natural & Physical Sciences, Vol. 23 (1-2) (2009).

19.Sachin Pathak, V. K. Tyagi & S.B. Singh

"Fitting of Pearson's Type Distribution in Weather Variables During Potato Crop Growing Seasons". Online Journal: Florida International Journal. (www.floridajournals.com) Sept.2010.

20. Vinay K. Tyagi & S.Goel,

"Profit Analysis of Three Unit Cold Standby System with Correlated Failures Repairs". International Journal of Agricultural and Statistical Sciences Vol. (5) NO. (1) pp-123-130 (2009). ISSN: 0973-1903

21. Chetna & Vinay K. Tyagi

"Analysis of a Two Dissimilar Unit Standby System with Correlated Failures and Repairs". International Journal of Essential Sciences, Vol. (3) pp.28-36 (2009). ISSN: 0973-8436

22.Shalendra Singh, Vinay Kumar Tyagi & S.R.Singh

"Effect of Inflation with Time and Stock Dependent Demand over a finite Planning Horizon". International Journal of Operations Research and Optimization Vol.2, No.2 pp-145-158 July- December 2011.

23.Vinay Kumar Tyagi, Shalendra Singh & S.R.Singh

"Probabilistic Inventory Model for Deteriorating Items with Non-Linear Production Rate Depending on Linear Demand Rate". International Transactions in Applied Sciences Vol.3, No.3, pp-313-322 July- September 2011.

24. Vinay K.Tyagi & Chetna

Book on "RESEARCH METHODOLOGY" Published by STAR Publication AGRA.

25. Vinay K.Tyagi & Sujeet Kumar Sharma

Book Titled " COMPUTER BASED NUMERICAL AND STATISTICAL TECHNIQUES" Published by VARDAN Publication House, New Delhi.

Names of Ph.D. Students Guided with their Research Topics:

1. Pawan Kumar

"Reliability Modeling of some Technological System" (2003).

2. Chetna

"Profit Analysis of some Stochastic Engineering System Models" (2005).

3. Vivek Tyagi

"Modeling and Analysis of Dynamic Resource Allocation Schemes for Congestion Control in ATM Network" (2007).

4. Sujeet Kumar Sharma

"Reliability Analysis of Some Probabilistic Models pertaining to some Technological System" (2008).

5. Surbhi Goel

"Reliability Analysis of some Stochastic Man made Engineering System Models" (2011).

6. Sachin Pathak

"Forecast Modeling and Simulation Study on effect of weathervariables on Potato Production and its Rate" (2012).

7. Shiv Kumar

"Analysis of some Stochastic Engineering System Models" (2012).

8. Shalendra Singh

"Some Deterministic and Probabilistic Inventory Models of Perishable Items with Backlogging" (2012).