



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)**

College with Potential for Excellence
Linguistic Minority Institution. Affiliated to University of Madras



Department of Statistics

CURRICULUM VITAE

- Name of the faculty** : Dr. N. S. Indhumathy
- Designation** : Assistant Professor
- Email ID** : n.s.indhumathy@dgvaishnavcollege.edu.in
- Contact Numbers** : 9841672369
- Professional Qualifications:** M.Sc., M Phil., Ph.D.,
- Area of Specialization:**
M. Phil : Deterministic Inventory Model
PHD : Markovian Inventory Model
- Professional Experience:**



DESIGNATION	COLLEGE	PERIOD		SERVICE (IN YEARS)
		From	To	
Assistant Professor	DDGD Vaishnav College	2023	Till Date	2 years 6 months
Assistant Professor & Head	GSS Jain College for women	2019	2023	4 years
Assistant Professor	Dr. MGR Janaki College for women	2011	2015	4 year

8. Details of Ph.D./ M.Phil./M. Sc.,Supervision: Nil

9. Details of Editorial Board Member/ Reviewer of Reputed Journals: Nil

EDITORIAL BOARD MEMBER: Nil

SCIENTIFIC COMMITTEE MEMBER: Nil

REVIEWER: Nil

10. Details of Book/ Chapters Authored : Nil

11. Details of Patents / Projects : Nil

12. Details of Awards Received : Nil

13. Details of Membership of Professional Bodies: Nil

14. Details of Invited talks & Guest Lectures: Served as a Guest Lecture for the Department of Psychology students in MGR Janaki College for Women, Chennai.

15. Details of Seminars/ Workshops / FDP Attended and Organized:

1. Actively participated in IP Awareness / Training Program under National Intellectual property Awareness mission organized by Intellectual Property Office, Government of India, held on 13 December 2022.
2. Actively participated in Six days Faculty Development Program on " Innovative Strategies in Teaching and Learning Process " conducted by GSS Jain College for women, Chennai, on 10 Oct ' 2022 - 15 Oct' 2022.
3. Actively participated in an International Workshop on " Integrated Approaches of Stochastic Modelling and Data Science for Sustainable development", organized by Dept. Of Statistics, S.V University jointly organized with Indian Society for Probability and Statistics (ISPS) during 7-11 September 2022.
4. Actively participated in The National level Webinar Workshop for CSIR – UGC NET/JRF/SET Exam Aspirants on “Mathematical Sciences” conducted by the Department of Statistics, Presidency College, Chennai, on July 01-11, 2021.
5. Actively participated in the State level Webinar workshop for CSIR – UGC NET/JRF/SET Exam Aspirants on “Mathematical Sciences” conducted by the Department of Statistics, Presidency College, Chennai, on August 05-14, 2020.
6. The webinar on “Applications of Statistics in Survival analysis” organized by the Department of Statistics, Muthayammal College of Arts & Science, Rasipuram on 27/7/2020.
7. The National level Webinar Workshop on “ Statistical Modeling for High Dimensional Data” organized by the Department of Statistics, Presidency College, Chennai, held on July 06 & 07, 2020.
8. The webinar on “Equip to Reach your Goal” organized by PG & Research Department of Commerce, DRBCCC Hindu College, on 13th June 2020.
9. Actively participated in the two days online FDP on “ Statistical application using SPSS” organized by the department of Statistics and Mathematics, Tagore college of arts & science held on 5th & 6th June 2020.

- 10.** Actively participated in three days National level Faculty Development Program held on 30th Apr', 1st May & 2nd May 2020, Organized by Lala Lajpat Rai College of Commerce & Economics, University of Mumbai.
- 11.** Actively participated in the R training program organized at Shri Krishnaswamy College for women in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.
- 12.** One-day National Workshop on “Scholarly Writing – Roadmap for proposal writing and publishing” organized by Library & Learning resource centre, Madras School of Social Work on 8th February 2018, Madras School of Social Work, Chennai.
- 13.** Two days Workshop on “Thesis Writing” jointly organized by Centre for Research, Development and Research Forum & DRBCCC Hindu College, Chennai held on November 17-18, 2017.
- 14.** Actively participated in the World record attempt of “Biggest Female gender symbol formation” on 7th March 2015, DRBCCC Hindu College, Chennai.
- 15.** “An International seminar on applications of statistical methods in research” organized by the Department of Mathematics, Dr. MGR Janaki college for women, Chennai, held on 26th August 2014.
- 16.** A Seminar on “Quality in Higher Education-From Assurance to Excellence” organized by IQAC held on 12th & 13th June 2014, at Dr. MGR Janaki College for women, Chennai.
- 17.** The Regional level workshop titled “An Overview of research support tools – MATLAB and SPSS” held on 12th & 13th September 2013, organized by Computer science & PG Department of Information technology, Computer applications and Mathematics, at Dr. MGR Janaki College for women, Chennai.
- 18.** Participated in “Faculty Orientation Programme” organized by Dr. MGR Janaki College for women, Chennai, held between 12th and 18th June 2013.
- 19.** A Seminar on “Recent trends in Pure and Applied Mathematics” organized by the department of Mathematics, Dr. MGR Janaki College for women, Chennai, held on 23rd January 2013.
- 20.** A National Workshop on “Statistical Methods for Clinical Trials” conducted by Department of Statistics, National Institute for Research in Tuberculosis, ICMR, Chennai, held on 19-20 December 2012.

21. One day National Symposium on “Women Empowerment in India” organized by the Tamil Nadu Dr. Ambedkar Law University & Dr. MGR Janaki College for women, Chennai, held on 8th March 2012.
22. National workshop on “Applied Multivariate Statistical Analysis using SPSS and AMOS” organized by Department of Statistics, Presidency College, Chennai, held on March 4-5, 2011.
23. UGC Sponsored workshop on “Six-Sigma Concepts” organized by Department of Statistics, Madras Christian College, Chennai, held on February 16, 2010.
24. Actively participated in one year “Computer – cum – Internet Literacy Programme” conducted by the Directorate of Collegiate Education, Department of Higher Education, Government of Tamil Nadu in Presidency College, Chennai, during the year 2005-2006.

16. Details of NPTEL/GIAN courses attended:

Completed NPTEL online Course on “Statistics for Bio medical engineers” during Jul- Oct -2024.

17. Details of Research Papers Publications in the National & International Conferences:

1. A Paper titled “A Semi Parametric Mixture cure rate model for Tuberculosis data” has been presented in “International conference on Advanced Information Technology & Applications ICAITA 2K23” held on 18th March 2023, Apollo arts & Science college, Chennai.
2. A Paper titled, “Markovian inventory model for deteriorating items with Baye’s estimation” presented in “International conference on computer simulations in natural sciences (SIMSCI 2018)” during 4-6 April 2018, held at Presidency College, Chennai.
3. A Paper titled “A Bayesian estimation of Markovian inventory model with price breaks for deteriorating items” presented in “International conference on computing sciences” ICCS-2018 on 8-9 January 2018, Loyola College, Chennai.
4. A Paper titled “Baye’s estimation of stochastic inventory model for deteriorating items with trade credit” presented in “National Conference on Recent developments in statistical applications” NCRDSA on 24th March 2017, Department of Statistics, DRBCCC Hindu College, Chennai.
5. A Paper titled “Stochastic Inventory model for Deteriorating items with trade credit” presented in “National seminar on Advances in statistics and computer applications” during 03-04 March-2017, Department of Statistics, University of Madras, Chennai.
6. A Paper titled “A Deterministic inventory model for deteriorating items with variable type demand rate and different selling prices” presented in “International conference on new

horizons in statistical modeling and applications” NSHMA-2015 on 27-28 February 2015, Department of Statistics, Presidency College, Chennai.

7. A Paper titled “An Order level inventory model for deteriorating items with variable holding cost” presented in “UGC Sponsored National seminar, Statistics in Life sciences” on 25th January 2012, SDNB Vaishnav College for women, Chennai.

18. Details of Research Paper publications in the National & International Journals:

1. A Paper titled “A Periodic review Deterministic inventory model with Exponential rate of demand for deteriorating items” has been published in *International Journal of Computational and Theoretical Statistics*, (UGC APPROVED JOURNAL), ISSN (2210-1519), Vol. 6, Issue. 2, 165-170, Nov-2019.
2. A Paper titled “Production Markovian Inventory Model with Baye’s Estimation” has been published in *Journal of Supply Chain Management System*, (UGC APPROVED JOURNAL), ISSN: 2277- 1387, Impact Factor: 4.969, Vol. 7, Issue. 3, 16-22, July-2018.
3. A Paper titled “Markovian inventory model for deteriorating items with Bayesian estimation” has been published in *International Journal of Advanced Scientific Research and Management*, (UGC APPROVED JOURNAL), ISSN: 2455 - 6378, Impact Factor: 4.265, Vol. 3, Issue 6, 139-144, June-2018.
4. A Paper titled “Markovian Integrated Inventory model for deteriorating items with Bayesian estimation” has been published in *International Journal of Engineering, Science and Mathematics*, ISSN: 2320 - 0294, Impact Factor: 6.765, Vol. 7, Issue 2, 104-116, February-2018.
5. A Paper titled “A Bayesian estimation of Markovian inventory model with price breaks for deteriorating items” has been published in *International Journal of Mathematical sciences*, (UGC APPROVED JOURNAL) , ISSN: 2278 - 8697, Impact Factor: 2.73, Vol.7, Spl. Issue 2, 144-150, January-2018.
6. A Paper titled “A Stochastic production Inventory model for deteriorating items with Bayesian estimation” has been published in *Bulletin of Pure and applied Sciences*, (UGC APPROVED JOURNAL), ISSN: 2320 - 3226, Impact Factor: 4.895, Vol.36E (*Math & Stat.*), No. 2, 194-206, Nov-2017.
7. A Paper titled “Stochastic inventory model for deteriorating items with trade credit” has been published in *International Journal of Science Technology and Management* , ISSN: 2394 - 1537, Impact Factor: 2.012, Vol. 6, Issue 4, 352-362, April-2017.
8. A Paper titled “Baye’s Estimation of Stochastic Inventory model for deteriorating items with Trade credit” has been published in *Journal of Management and Science*, ISSN: 2250 - 1819, Impact Factor: 0.654, Vol.1, 59-69, March-2017.

9. A Paper titled “Bayesian Estimation of probabilistic Inventory model with price breaks” has been published in *Journal of Computer and Mathematical sciences*, (UGC APPROVED JOURNAL), ISSN: 2319 - 8133, Impact Factor: 4.655, Vol. 8, Issue 3), 76-84, March- 2017.
10. A Paper titled “Stochastic Inventory Model using Exponential lead time distribution with Price breaks” has been published in *International Journal of Mathematics Trends and Technology*, ISSN: 2349 - 5758, Impact Factor: 2.53, Vol.39(2), 84-87, Nov-2016