

Dr. Nileema Nitin Bhalerao

Present position

- Professor and Head, Department of Statistics .

Contact Details (Mention e-mail) – fergusson.edu or despune.org



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Work Experience

- **Since Teaching:** 24 years
- **Research/Industrial:** 03 years

Course(s) Taught (Only Titles)

1. Probability Theory and Probability Distributions
2. Descriptive Statistics
3. Statistical Quality Control
4. Regression Analysis
5. Reliability and Survival Analysis
6. Data Analysis using R-Software
7. Applied Statistics
8. Distribution Theory
9. Testing of Hypothesis

Field of Specialization/Areas of Interests

- Regression Analysis
- Reliability and Survival Analysis

Education

- **Ph.D. – (Statistics):** From June 2014 to April 2017
Title of the Thesis: Contributions to the Inference in Software Reliability Models.
Name of University / Institution: Savitribai Phule Pune University, Pune
Year of Award: April 2017
- **Master of Science/Arts- (Statistics):** year -2000
University/College: Savitribai Phule Pune University, Pune
- **Bachelor of Science- (Statistics):** year-1998
College, University, Place -Fergusson College, Savitribai Phule Pune University, Pune

Fellowship/Awards/ Certifications/Achievements/Recognitions

1. UGC Award of Teacher Fellowship under Faculty Development Programme during XII plan period

Member of College Committees/ Professional Bodies and Others

College Level	Others
Worked as a member Secretary on the College Committee 'CELL AGAINST HARASSMENT AND ATROCITIES AGAINST WOMEN'	Worked as a BOS member in Statistics, Savitribai Phule Pune University, Pune
Working as a member of NEP implementation committee	
Working as a member for the formation of proposed Cluster University	Working as a BOS member, Modern College, Ganeshkhind, Pune

Employment History

- 1) **Organization** : Fergusson College, Pune
Role : Assistant Professor in Department of Statistics
Duration : 15-12-2000 to 20-01-2018

Responsibilities	• Engaging theory lectures and practicals of BSc Statistics course as per the Time table allotted. • Member Secretary on the College Committee 'CELL AGAINST HARASSMENT AND ATROCITIES AGAINST WOMEN' • Coordinator T.Y.B.Sc class • Admission Committee F.Y.B.Sc
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- 2) **Organization** : Fergusson College, Pune
Role : Associate Professor in Department of Statistics
Duration : 21-01-2018 to 11-03-2024

Responsibilities	• Engaging theory lectures and practicals of BSc Statistics course as per the Time table allotted. • Coordinator T.Y.B.Sc class • Admission Committee F.Y.B.Sc
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- 3) **Organization** : Fergusson College, Pune
Role : Professor in Department of Statistics
Duration : 12-03-2024 till date

Responsibilities	• Engaging theory lectures and practicals of BSc Statistics course as per the Time table allotted. • Member of NEP implementation committee • Working as a member for the formation of proposed Cluster University
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Research Publications in National and International Journals

1. David D. Hanagal and Nileema N. Bhalerao, Analysis of NHPP Software Reliability Growth Models, International Journal of Statistics and Reliability Engineering Vol. 3 (2), pp. 53-67, 2016 (ISSN(P): 2350-0174 ; ISSN(O):2456-2378)
2. David D. Hanagal and Nileema N. Bhalerao, Modeling and Statistical Inference on Generalized Inverse Weibull Software Reliability Growth Model, J Indian Soc Probab Stat (2016) 17:145–160 DOI 10.1007/s41096-016-0010-8
3. David D. Hanagal and Nileema N. Bhalerao, MODELLING ON EXTENDED INVERSE WEIBULL SOFTWARE RELIABILITY GROWTH MODEL, IAPQR Transactions Vol. 42, No. 2, 2017
4. David D. Hanagal and Nileema N. Bhalerao, MODELING ON GENERALIZED EXTENDED INVERSE WEIBULL SOFTWARE RELIABILITY GROWTH MODEL, Journal of Data Science,17(3). P. 573 - 590,2019 DOI:10.6339/JDS.201906_17(3).0007
5. David D. Hanagal and Nileema N. Bhalerao, ANALYSIS OF DELAYED S SHAPED SOFTWARE RELIABILITY GROWTH MODEL WITH TIME DEPENDENT FAULT CONTENT RATE FUNCTION, Journal of Data Science 857-878 , DOI: 10.6339/JDS.201810_16(4).00010
6. David D. Hanagal and Nileema N. Bhalerao, published a book ‘Software Reliability Growth Models’, Springer Publication, Singapore. International ISBN: 978-93-89003-71-0

Participation in Conferences/Seminars/Symposia/Workshop:

1. Participated in a workshop Research Methodology (Statistics), Department of Education and Extension, SPPU, Pune from 14-01-2018 to 20-01-2018
2. Participated in a workshop Microteaching (Statistics), Department of Education and Extension, SPPU, Pune from 27-08-2018 to 02-09-2018
3. Data Science and Chat GPT, organized by K L Deemed University, in Collaboration with ExelR from 15-05-2023 to 19-05-2023
4. NEP2020 Orientation & Sensitization, under MM-TTP of UGC, at HRDC, SPPU, Pune from 15-12-2023 to 29-12-2023
5. Presented a paper ‘A Study on Graphical User Interface for R-Software for Data Analysis at National Conference on Recent Trends In Computer Science And Applications And Computational Mathematics Indira College of Commerce and Science.
6. Presented a paper ‘Analysis of NHPP software reliability growth models at National Conference on Applied Statistics, Department of Statistics, Shivaji University Kolhapur.

Events Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution
1	PUSA Quiz Competition (Intercollegiate) F.Y.B.Sc	Savitribai Phule Pune University, Pune	coordinator
2	PUSA Project Competition (Intercollegiate) T.Y.B.Sc	Savitribai Phule Pune University, Pune	coordinator
3	Under the subject Association 'Lecture Series' under UGC XI Plan	Fergusson college, Department level	coordinator

Course Content Developed (e-content)

Published Conducted lectures on Microsoft Teams, prepared PPTs, uploaded notes, Prepared MCQs question bank, designed and conducted on-line internal-external examinations for FYBSc,SYBA,TYBSc theory and practical courses.

Consultancy Services

Consultancy Project with KPIT Worked as a Coordinator

The project was regarding the statistical data analysis of the Freshers hiring and training in the company.