

Dr. Subhash Shankar Shende

Present position

- Head & associate Professor

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Work Experience

- Teaching: 33 years
- Research: 5 years

Personal Profile

Personal Qualities

- Self-motivate
- Adaptable

Skills

- Management skills
- Communication skill

Exprience

- 33 years experience in Teaching at Undergraduate course in Statistics

Course(s) Taught (Only Titles)

1. Distribution Theory
2. Theory of Estimation
3. Introduction to Stochastic Proceses
4. Testing of Hypotheses

Field of Specialization/Areas of Interests

- Mathematical Statistics
- Applied Statistics

Education

- **Ph.D. – (Statistics):**
Title of the Thesis: Modeling Maternal Infant HIV transmission
Name of University : Savitribai Phule Pune University
Year of Award: 2020
- **Master of Science/Arts- (Statistics):** 1988
University/College: University of Pune
- **Bachelor of Science- (Statistics):** 1986
Fergusson College, Affiliated to University of Pune , Pune

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
<ul style="list-style-type: none">• Examination Incharge• FYBSC Admission Committee		Member BoS in Statistics , K.J. Somaiya College, Mumbai
<ul style="list-style-type: none">• Board of Examination Committee		Member BoS in Statistics , Abeda Inamdar College, Pune
<ul style="list-style-type: none">• Chairman, Board of Studies in Statistics• Member of Finance Committee• Member of Academic Council , Fergusson College		Member BoS in Statistics , Institute of Science. Satara Member BoS in Statistics , BMCC, Pune

Employment History

- 1) **Organization :** JaiHind College , Dhule
Role : Lecturer in Statistics
Duration : 1988-1990

Responsibilities	<ul style="list-style-type: none">• Worked as Lecturer in Statistics• Teacher Coordinator•
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2) Organization : Fergusson College
Role : Associate Professor & Head
Duration : 1990 till date

Responsibilities	<ul style="list-style-type: none"> • Head of the department • Examination In charge • Admission Incharge (FYBSc) • Chairman, BoS in Statistics
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Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
Statistical Modelling of Maternal – Infant HIV Transmission	University Grant Commission	180000/-	2011-2012	Minor	<ul style="list-style-type: none"> • Development of the model • Evaluation of probability of Observing Infant with Positive HIV • Suitability of the Model

Research Publications in National and International Journals

1. Modeling Maternal Infant HIV transmission with Lag Time Distributions Exponential, Geometric and shifted Geometric, Neural, Parallel & Scientific Computations, 2017, Vol. 25, No. 3, 509-522
2. Generalized Statistical Modeling Maternal infant HIV transmission with constant Hazard rate, International Journal of Engineering & Technology, 7(4.10), (2018), 526-528
3. Modeling maternal infant HIV transmission having variable hazard rates with two lag time distributions , Communications in Statistics - Simulation and Computation, ISSN: 0361-0918 (Print) 1532-4141 (Online)
Journal homepage: <https://www.tandfonline.com/loi/lssp20>

Participation in Conferences/Seminars/Symposia/Workshop:

Sr. No.	Workshops/ Conferences	Place	Dates	Participated/ presented/ Invited Talk
1.	Mathematical Modelling of patterns and Diffusion Process in Biology (Summer School & Workshop)	Indian Statistical Institute , Kolkatta	18-22, June 2012	Participated
2.	Recent Trends in Applied Statistics (National Workshop)	Yashantrao Chavan Institute of Science , Satara, Maharashtra	14-15 December , 2012	Participated
3.	Recent Trends in Mathematics & Statistics , (National Conference)	Yashantrao Mohite College , Pune	18 th December 2012	Participated
4.	Recent Developments in Mathematics and Statistics (National Conference)	T.C. College , Baramati	14-16 February, 2013	Participated
5.	Role of Statistics in the Advancement of Science & Technology (International Conference)	Department of Statistics , University of Pune	16-18 December, 2013	Participated
6.	Applied Statistics and related working practices (National Conference)	Department of Statistics, School of Mathematical Sciences North Maharashtra University , Jalgaon	30-31 ,January, 2014	Presented a paper entitled "Modeling Maternal-Infant HIV transmission "
7.	Recent Advances in Statistics (National Conference)	Department of Statistics , University of Pune	2-3 ,January, 2015	Presented a paper entitled "Modeling Maternal-Infant HIV transmission "
8.	Inference in Stochastic Processes (National Workshop)	Department of Statistics , University of Pune	23-26 February, 2015	Participated

9.	Reliability Theory & Survival Analysis (National Workshop)	Department of Statistics, Panjab University , Chandigarh	4-6 ,November , 2015	Participated
10.	Epidemics ⁵ Fifth International Conference on Infectious Disease Dynamics	Florida , USA	1-4 ,December , 2015	Presented a poster paper entitled “Modeling Maternal-Infant HIV transmission”
11.	Applications of Mathematics to Non linear Sciences (International Conference)	Nepal , Kathmandu	26-29 ,May 2016	Invited Talk entitled “ Modeling Maternal-Infant HIV transmission with Lag time Distributions as Exponential , Geometric and Shifted Geometric Distribution ”
12.	Advances in Mathematical Sciences (International Conference)	VIT, Vellore, India	1-3 ,December 2017	Presented a paper entitled “ Generalised Statistical Modeling Maternal Infant HIV transmission with constant hazard rate ”
13.	Online workshop “ Statistical Data Analysis Using R”	ISAR, Chennai	1-7 June 2020	Participated
14.	National Workshop on Statistical Computational Techniques using Paython , R & SPSS	Pt. Ravishankar Shukla University, Raipur Chhatisgarh	18-20 July 2020	Participated

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	National Workshop on “Recent Trends in Applied Statistics: An interdisciplinary Approach”	Fergusson College	Coordinator	15-16 March , 2013

Course Content Developed (e-content)

E content developed for online classes on the following :

1. Distribution Theory
2. Theory of Estimation
3. Testing of Hypotheses

Consultancy Services

Consultancy Project with KPIT.

The Non-Disclosure –agreement is made and executed on 12/10/2021 by and between Fergusson College (Autonomous), Pune and KPIT Technologies Limited, Hinjawadi, Pune. The agreement was signed by Dr. Ravindrasing Pardeshi, Principal, Fergusson College (Autonomous), Pune and Sant Ranjan, Principal Architect System, KPIT, Pune.

After this agreement, Department of Statistics started working on this project. The Data was shared by KPIT with Department of Statistics, on which discussion was carried out in the Department regarding how to carry out the analysis part. To carry out the analysis , four interns from T. Y. B. Sc. were selected.

1] Mr. Shreyas Kulkarni 2] Mr. Rohan Chhatre 3] Ms. Shruti Jagdale and 4] Ms. Riya Ambekar

Our students have carried out the work successfully under the guidance of staff of Department of Statistics, Fergusson college and they have also prepared a report to be submitted to KPIT