

# Curriculum Vitae

**Name:** Manoj Chaitram Patil  
**Designation:** Assistant Professor  
**Date of Birth:** 24 November 1985



## Contact Information:

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## Education Qualification.

Sr.No.	Course	University/ Board	Year of Passing	Result
1.	Ph.D.(Statistics)	North Maharashtra University	In Progress	—
2.	NET-JRF	CSIR, New Delhi.	June 2009	—
3.	SET	Pune University, Pune	Sept. 2009	—
4.	M.Sc.(Statistics)	North Maharashtra University	June 2008	74.45%
5.	B.Sc.(Statistics)	North Maharashtra University	June 2006	74.25%

## Other Qualification:

Student member of Institute of Actuaries of India (IAI), Mumbai and cleared two papers CT-3 (Probability and Mathematical Statistics) and CT-4 (Models).

## Teaching Experience:

- Worked as a lecturer (Contract) at Department of Statistics, North Maharashtra University Jalgaon from July 2008 to May 2009 and July 2009 to October 2009.
- Working as an Assistant Professor at Department of Statistics, North Maharashtra University Jalgaon from December 2009 to till date.

## Area of Research/Expertise:

- **Topic:** Development a MATLAB Package for Distributions of Statistics based on Runs, Scans and Patterns in Some Stochastic Processes.
- **Research Guide:** Prof. R. L. Shinde, Department of Statistics, KBCNMU, Jalgaon.

## Research Project:

Project entitled 'Development of MATLAB Toolboxes for Distributions of Statistics based on Runs, Scans and Patterns in Some Stochastic Processes' got sanctioned on 25th March, 2017 under VCRMS scheme of KBCNMU. Jalgaon

## **Research papers published:**

- Patil M.C. and Shinde R. L. (2012), "MATLAB programs for probability distributions of runs in DNA sequences", Proceeding XI Biennial Conference of the International Biometric Society (Indian Region) on Computational Statistics and Bio-sciences held during 8-9, March 2012.
- Patil M.C. and Shinde R. L. (2020), "EmpScans: MATLAB Toolbox for Empirical and Exact distribution of some Scan Statistics". To appear in Assam Statistical Review 32(1) 25-52.

## **Awards/Fellowships/prizes received:**

- Qualified as a JRF (Mathematical Science) for CSIR-NET examination conducted in June 2009.
- Qualified GATE and secured All India Rank of 9 in 2019 Examination.
- Awarded by Gold medal for securing first rank in M.Sc. (Statistics) from University Department of Statistics, NMU, Jalgaon during 2006-08.

## **Memberships.**

- Life Member of International Indian Statistical Association.
- Student member of Institute of Actuaries of India.

## **Administrative Work experience.**

- In-charge of Departmental Library, Lab Maintenance and Alumni Record, Admission, Anti Ragging committee, Hostel admission committee Department of Statistics and Department of Actuarial Science, KBC North Maharashtra University, Jalgaon.
- Representative of the Department for up-gradation of information on University website.

## **Softwares used in teaching and research:**

- Python, R, SAS, MATLAB, Minitab, SPSS, etc.

## **List of Courses Taught at Department of Statistics and Department of Actuarial Science, K.B.C.N.M.U. Jalgaon:**

- |                        |   |
|------------------------|---|
| ⇒ Real analysis        | ⇒ R/Python Programming & Numerical Methods  |
| ⇒ Probability Theory   | ⇒ Design and Analysis of Clinical Trials    |
| ⇒ Stochastic Processes | ⇒ Linear Models and Regression Analysis     |
| ⇒ Actuarial Modeling   | ⇒ Credibility Theory and Loss distributions |
| ⇒ Financial Economics  | ⇒ Optimization Techniques                   |
| ⇒ Survival Models      | ⇒ Financial Mathematics                     |

## **Participation in Workshop/FDP/Orientation/Refresher:**

- Online two - week refresher course/faculty development programme in statistics on the theme "applications of statistical techniques in real world" from 01 - 15 May, 2021 organized by Ramanujan college, University of Delhi.
- Online-one week faculty development programme on "Data analysis using SPSS" from 25 – 31 May, 2021 organized by Ramanujan college, University of Delhi.

- Participated and completed one-week National level online Faculty development program (FDP) on 'R programming' organized by D. Y. Patil University, AMBI, Pune & Spoken Tutorial Project, IIT Bombay from 11th May 2020 to 16th May 2020.
- Participated and completed one-week National level online Faculty development program (FDP) on 'Moodle Learning Management System' organized by Willingdon College, Sangli & Spoken Tutorial Project, IIT Bombay from 23rd May 2020 to 29th May 2020.
- Participated and completed in one-week online FDP on 'Latex' organized by Govt. College Una (HP) in association with Spoken Tutorial, IIT Bombay from 15th May to 20th May 2020.
- Attended workshop on 'Lilavati: by Bhaskaracharya Treatise' organized by Department of Statistics, School of Mathematical Sciences, NMU, Jalgaon on 22 September 2017.
- Participated in One day workshop on Biostatistics on 31st December, 2016 at Modern college, Pune.
- Attended the Orientation Programme held at University of Mumbai, Mumbai during September 03 to October 01, 2014.
- Attended National Conference on Mathematical Sciences at Department of Statistics, NMU, Jalgaon held on Mar 05, 2012.
- Attended National Conference on "Official Statistics in national Development" at Department of Statistics, NMU, Jalgaon held on Jan 17-19, 2011.
- Attended National Conference on "Industrial Statistics and Computational Mathematics" at Department of Statistics, NMU, Jalgaon held on Jan 21-23, 2010.

### **Organization of Workshop/FDP/Orientation/Refresher:**

- Worked as committee co-ordinator and member at University Level Research Convention 'AVISHKAR-2018' for Phase-I and Phase-II organized by KBCNMU, Jalgaon.
- Worked as member of organizing committee in the district and university level 'Yuvarang' organized by Students Development Department, KBC NMU, Jalgaon
- Worked as committee member for two days workshop on "NAAC awareness Programme (NAP)" organized by IQAC, KBC NMU, Jalgaon Jan 17-19, 2019
- Participated in one day workshop on 'Indian Patenting and Filing Procedures' organized by RUSA on 23rd August 2016.
- Worked as Member of organizing committee at the State Level Workshop for College Teachers in Statistics on "Introduction of Statistical Software" and "Modifications Required in the Syllabus of B.Sc. (Statistics)" during January 10-11, 2014.
- Worked as Organizing Secretary of the National Conference on "Applied Statistics and Related Working Practices" during January 30-31, 2014.
- Worked as Convener of the National Workshop on "Statistics for Experimental Researchers" during February 14-15, 2014.

### **Conference/Workshop Presentations/talks:**

- Attended the Sixth International Conference on Statistics, University of Kerala in association with American Statistical Association (ASA) and Kerala Statistical Association (KSA) and delivered a contributory talk on "Runs in Sequence of Markov Dependent Multistate Bivariate Trials" held virtually during 16-19 December, 2020.

- A paper entitled 'EmpScans: MATLAB Toolbox for Empirical and Exact distribution of some Scan Statistics' in Diamond Jubilee National Conference on 'Recent Advances in Statistics: Theory and Applications' organized by Sardar Patel University, Vallabh Vidyanagar, Anand Jan 31-Feb 02, 2020.
- Delivered invited lecture in online FDP entitled "Effective ways to develop e-content for Teaching-Learning", Sponsored by UGC HRDC, Savitribai Phule Pune University, Pune from 21 May 2020 to 30 May 2020 on 'Data Analysis using R' in Ten days duration conducted by K.T.H.M. college, Nashik from 21th May 2020 to 30th May 2020.
- Participated and presented a paper entitled 'EmpScans: MATLAB toolbox for Scan statistics' in 'National Seminar on Statistical Modelling and Applications' organized by Shivaji University, Kolhapur during February 23-24, 2018.
- Delivered a lecture on 'Estimation of Survival Functions using censored data' in State level workshop on 'Actuarial Science' organized by Department of Actuarial Science, NMU, Jalgaon during February 06-07, 2018.
- Participated and presented a poster entitled 'Joint Distribution of Numbers of Success Runs of Specified Length in Linear and Circular Markov Bernoulli Sequences' at the campus level Research Convection 'AVISHKAR 2017' organized by NMU, Jalgaon on 21st December 2017. The poster is selected for university level Avishkar 2017 (Phase II) and power point presented at Phase II on 29-30 December 2017.
- Participated and presented a poster entitled 'EmpRuns: A MATLAB toolbox for Run Statistics' at the campus level Research Convection 'AVISHKAR 2016' organized by NMU, Jalgaon on 03 January 2017. The poster is selected for university level Avishkar 2016 (Phase II) and power point presented at Phase II on 12-13 January 2017.
- Delivered an invited lecture on 'Statistical Methods' at a 'Workshop on Research Methodology' organized by Dr. A.G.D. Bendale Mahila Mahavidyalaya, Jalgaon on 24th August, 2016.
- Delivered an invited talk on 'Introduction to LaTeX' organized by Moolji Jaitha College, Jalgaon on 12th August, 2016.
- Served as a resource person in the National Workshop entitled 'Data Analysis Using R Programming' on 7th March, 2017 organized by Department of Statistics, Dr. B.A.M. University, Aurangabad.
- Attended and presented a paper in International Conference on "Statistics, Science and Society: New Challenges and opportunities" at Chennai held on Jan 02-05, 2013.
- Attended and presented a paper in XI Biennial Conference of The International Biometric Society (Indian Region) on Computational Statistics and Bio Sciences held on Mar 08, 2012.

### **Contribution to university/School/Department:**

- In-charge Head of Sane Guruji Tatvadhan Kendra, KBC NMU, Jalgaon
- Worked as an Assistant Program Officer, National Service Scheme, KBCNMU Campus unit during academic years 2014-15 to 2018-2019.
- Served as nodal officer for Swachh Bharat Summer Internship (SBSI-2018) program during July 01-25, 2018.
- Worked as committee member for various departmental and school level committees like Hostel, Bus Concession, Scholarship, Exam etc.

**(Manoj Chaitram Patil)**