CURRICULUM VITAE



Dr. A. MOHAMED ASHIK

Assistant Professor, Department of Statistics National College (Autonomous), Tiruchirappalli – 620 001, Tamil Nadu

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<u>Residential Address</u> Room No. 13, Boys Hostel National College (Autonomous) Tiruchirappalli – 620 001	<u>Permanent Address</u> 4/45, Salai Street Kooniyur (PO), Cheranmahadev Tirunelveli – 627 417	i (TK)	
Research Experience: 09 Years	Teaching Experience: 04 Years		
UGC Compliance Certificate :	Manonmaniam Sundaranar University, Tamil Nadu. Ref: MSU/R/Ph.D./R1/UGC Comp. Cert./2019 dt. 10.10.2019		
Qualification Approval (Assistant Professor):Bharathidasan University, Tamil Nadu.Ref: 07290/D6/2015 dt. 31.03.2021			
Employment Experience			
Sep 2020 – Till Date Assistant Pr	rofessor		
Jun 2019 – Aug 2020 Department of Statistics, National College (Autonomous), Tiruchirappalli Department of Mathematics, Merit Arts and Science College, Tirunelveli			
Oct 2018 – May 2019 Statistician Pishon Data Analytics, Tirunelveli			
Educational Qualifications			
2018 Ph.D., Statistics	Full Time Manonmaniam Sundaranar University	Tirunelveli	
2014 M.Phil., Statistics (67.4%)	Full Time Manonmaniam Sundaranar University	Tirunelveli	
2013 M.Sc., Statistics (70.8%)	Full Time Manonmaniam Sundaranar University	Tirunelveli	
2011 BCA., Comp. App (68.4%)	Full Time Vivekananda College	Kanyakumari	
Additional Qulaifications			
2021 M.A., Economics (72.4%)	DD&CE Manonmaniam Sundaranar University	Tirunelveli	
2016 PGDCA (84.3%)	Part Time TNDS Computer Education	Kanyakumari	
Doctor of Philosophy (Ph.D.)			

Title: Time Series Modelling for Stock Price Forecasting

Subject: Statistics Mode: Full Time Date of Award: 19.11.2018 (Under UGC Regulations – 2009)
Supervisor: Dr. K. Senthamarai Kannnan, Senior Professor & Head (Rtd.), Department of Statistics Manonmaniam Sundaranar University, Tirunelveli – 627 012, Tamil Nadu, India.

Research / Project

- * M.Phil., (Dissertation): Review on Multicomponent Series System Reliability
- M.Sc., (Project): Time Series Modelling for Petroleum and Coal Production

Research Awards (BSR Fellowship)

Oct 2015 – Sep 2018	Senior Research Fellowship (SRF)	UGC, New Delhi	India
Oct 2013 – Sep 2015	Junior Research Fellowship (JRF)	UGC, New Delhi	India

Research Project

Title of the Project	Amount (₹)	Sponsored Agency	Status
Statistical Study on the Impact of the Free Bus Travel Scheme for Women in Tiruchirappalli	15,000	National College, Tiruchirappalli	Ongoing

Programme Organized

- ▲ Organized one day survey visit cum special lecture Programme on "Statistical Survey in Architecture @ Srirangam Temple" held at Department of Statistics, National College (Autonomous), Tiruchirappalli during 25th August, 2022.
- ▲ Organized a special lecture Programme on "Applications of Statistics" held at Department of Statistics (Conjunction with Statistics Association), National College (Autonomous), Tiruchirappalli during 13th May, 2022.
- Organized a special lecture Programme on "Statistics for Management" held at Department of Statistics (Conjunction with Statistics Association), National College (Autonomous), Tiruchirappalli during 23rd November, 2021.

Resource Person

- Resource Person for the One Day In-Service Faculty Workshop on Manipulation & Analysis of Data in SPSS held at PG & Research Department of Mathematics (Conjunction with School of Mathematical Computation Sciences), Holy Cross College (Autonomous), Tiruchirappalli – 620 002 on 14.07.2023.
- Resource Person for the Invited Talk on Statistical Analysis using Microsoft Excel held at Department of BMS, National College (Autonomous), Tiruchirappalli – 620 001 on 19.10.2022.
- Resource Person for the One Day Workshop on Data Analysis using SPSS held at Department of Library and Information Science, Bishop Heber College (Autonomous), Tiruchirappalli – 620 017 on 25.04.2022.

Session Chair

International Conference on Recent Trends in Stochastic Modelling and Its Applications (ICRTSMA2023) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, during June 15 – 17, 2023.

Additional Responsibilities

Sep 2020 - Till Date: Assistant Warden, Boy's Hostel, National College

Oct 2020 - Till Date: IQAC Liaison Officer, Department of Statistics, National College

June 2021 - Aug 2022: Vice - President, Statistics Association, National College

July 2020 – Aug 2020: Programme Officer, Youth Red Cross, Merit Arts and Science College

July 2019 - Aug 2020: Coordinator, Examinations Cell, Merit Arts and Science College

Aug 2019 - Aug 2020: Member, Discipline Committee, Merit Arts and Science College

Other Responsibilities

- Serving as **Guest Faculty** (UG & PG) of DD-CE (PCP) Classes [Bharathidasan University]
- Serving as Academic Counselor for Statistics (Madurai Regional) Classes [IGNOU]
- Serving as **Project Guide** of MBA Students for DD-CE [Bharathidasan University]
- Serving as **Question Paper** setter of various University / College
- > Serving as External Examiner of practical & paper valuation of various College
- Serving as Internal Examiner, Department of Statistics, National College
- Serving as **Invigilator** of Government and Competitive Examinations
- Served as **Examiner** of central paper valuation [Manonmaniam Sundaranar University]

Swayam Course: 01

Refresher Course on Teacher and Teaching in Higher Education with a Grade "A" (01.12.2020 – 31.03.2021) organized by *Savitribai Phule Pune University*, Pune.

Research Area

Applied Statistics

Research Publications: (ISSN & ISBN)

<u>Scopus</u>

* **Mohamed Ashik A** and Senthamarai Kannan K (2017): Forecasting National Stock Price Using ARIMA Model, *Global and Stochastic Analysis*, 4(1), 71-81

UGC (Old) / Care List

- * Venkateswaran. A and **Mohamed Ashik. A** (2021): Linear Model for Share Market Prediction, *Sambodhi*, 44(1), 73 77.
- * Mohamed Ashik. A and K. Senthamarai Kannan (2019): Prediction for Nifty Stock Indices using Box-Jenkins Approach, *Journal of Gujarat Research Society*, 21(16), 192 200.
- * **Mohamed Ashik. A**, Senthamarai Kannan. K and D. Balamurugan (2019): Statistical Techniques for Stock Price Prediction in India, *Think India Journal*, 22(14), 2014 2028.
- * Mohamed Ashik. A and Senthamarai Kannan. K (2018): Time Series Model for Stock Price Prediction, *Research & Reviews: Journal of Statistics*, 7(1), 85-90.
- * Mohamed Ashik A and Senthamarai Kannan K (2017): Forecasting Nifty Bank Sectors Stock Price Using ARIMA Model, *International Journal of Creative Research Thought*, 5(4), 1360 – 1365.

<u>Refereed</u>

- * Jeromia Muthuraj R and **Mohamed Ashik A** (2021): A Statistical Methodology for Identifying Reliable Software, *DJAME Journal of Management Research*, 2(1), 31 35.
- * **Mohamed Ashik A**, Jeromia Muthuraj R and Velusamy M (2021): Indian Stock Price Forecast using TPM Method, *International Journal of Innovative Science and Research Technology*, 6(1), 1333 1335.
- Jeromia Muthuraj R, Mohamed Ashik A and Karthik S.M (2020): Manipulating Large –Scale Data in Software Reliability Studies, *International Journal of Statistics and Applied Mathematics*, 5(4), 100 102.
- * Mohamed Ashik A (2019): Fuzzy Time Series Approach for Stock Price Prediction, *IOSR Journal* of Business and Management, Vol.1, 08-11.

Edited Book Chapters (International Publisher)

- * Jeromia Muthuraj R, **Mohamed Ashik A** and Loganathan A (2021): Statistical Methodology for Software Reliability with Environmental Factors, *Predictive Analytics: Modeling and Optimization*, **CRC Press-Taylor & Francis Group**, 227 – 260.
- * Mohamed Ashik A and Senthamarai Kannan K (2019): Time Series Model for Stock Price Forecasting in India, *Logistics, Supply Chain and Financial Predictive Analytics: Theory and Practices*, Springer, 221-232.

Conference Proceedings (Full Paper)

* Mohamed Ashik. A (2019): Trending and Forecasting of Indian Stock Price, *Contemporary Issues* and *Challenges of Business Environment in India (ICBE'19)*, Department of Commerce with Corporate Secretaryship, Kamaraj College, Tuticorin, Tamil Nadu.

Experience for Research Period (2014 – 2018)

- Research experience of Time Series Analysis
- > Teaching experience (support) for M.Sc., classes
- > Teaching experience of remedial (SPSS) coach for M.Sc., students
- Supporting project and practical for M.Sc., Students
- > Data collection experience on various (rural & urban) area

Skills

Statistical Software: SPSS and R

Windows & Office Tools: MS Word, Excel, PowerPoint

Google Scholar (Mohamed Ashik Ali Badhusha)

Citations: **40** h - index: **03** i10 - index: **02**

Research Id's

ORCiD: 0000-0003-4582-2254 *Scopus*: 57194145672 *Vidwan*: 165179 *WoS*: ADK-0180-2022

Membership of Committee

- Member, Board of Studies: Department of Statistics, National College (A), Tiruchirappalli 620 001
- International Advisory Board of Scope database: Journal Indexing & Citation Analysis, Chennai 600 115, Tamil Nadu, India.

Reviewer of Journals

- International Journal of Innovative Science and Research Technology _ Reviewer Id: IJISRTREW571
- Advances in Science, Technology and Engineering Systems Journal (ASTESJ) _ Reviewer Id: AJR10050

Reviewer of Journals (Guest)

- **Financial Innovation** (Springer)
- * Asian Journal of Business Ethics (Springer)
- Communications for Statistical Applications and Methods
- Int. Journal of Plant & Soil Science (Bio-Statistics)
- ♣ Jour. of Global Economics, Management and Business Research
- ***** Jour. of Advances in Mathematics and Computer Science

 R. LAXMI PRIA (19/PMTA/002) _ M.Sc. (Mathematics) _ 21 days (*Oct – Dec, 2020*) _ Stella Maris College (Autonomous) _ Topic: Markov Chain Approach for Stock Price Prediction

Programmes	Mode	Attended	Paper Presentations	Total
Conference	International	15	13	22
	National	08	05	23
Workshop / Seminar	International	02		16
	National	14		16
Training Programme	National	05	01	05
Virtual Mode		15		15

Academic Activities

Paper Presentations

15 – 17 Jun 2023	A Statistical Study on the impact of the Free Bus Travel Scheme for Women in Tiruchirappalli, International Conference on Recent Trends in Stochastic Modelling and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
15 – 17 Jun 2023	A Statistical Analysis of Lung Cancer Data (Jointly with M. Devendiran), International Conference on Recent Trends in Stochastic Modelling and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
24 & 25 Jun 2022	A Statistical Study on Online Learning among College Students in Tiruchirappalli, International Conference on Recent Trends in Stochastic Modelling and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
17 th Feb 2021	<i>Linear Model for Share Market Prediction</i> , International Conference (Virtual Mode) on Advancement in Business in the Digital Era 2021 held at PG & Department of Commerce, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu
06 & 07 Mar 2020	<i>Statistical Analysis for Sexual Offences Data</i> , First International Conference & Fourth Annual Post Graduate Criminology Conference held at Department of Criminolgoy & Criminal Justice, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
13 & 14 Feb 2020	<i>Exponential Smoothing Approach for Stock Price Data</i> , National Conference on Recent Developments in Applied Statistics held at Department of Statistics, Madras Christian College, Chennai, Tamil Nadu
09 - 11 Jan 2020	<i>Trend and Forecast for Stock Price Data</i> , International Conference on Recent Trends in Stochastic Modelling and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
03 rd Jan 2020	Prediction for Nifty Stock Indices using Box-Jenkins Approach , 9 th International Conference on Multivariant Innovative Research Approaches for Sustainable Global Development held at Adaikalamatha Institute of Management & Research, Vallam, Tanjavur, Tamil Nadu
18 & 19 Oct 2019	<i>Trending and Forecasting of Indian Stock Price,</i> International Conference on Contemporary Issues and Challenges of Business Environment in India held at Department of Commerce with Corporate Secretaryship, Kamaraj College, Thoothukudi, Tamil Nadu
03 rd Oct 2019	<i>Fuzzy Time Series Approach for Stock Price Prediction</i> , National Conference on Recent Trends in Commerce and Technology held at Department of Commerce, Gandhi Arts & Science College, Erode, Tamil Nadu

- 14 & 15 Sep 2018 Time Series Modelling for Stock Price Prediction, National Conference on Recent Trends in Statistics held at PG & Research Department of Statistics, Salem Swodeswari College, Salem, Tamil Nadu
- 08 & 09 Jan 2018 *Statistical Models for National Stock Price Prediction*, International Conference on Recent Trends in Stochastic Modelling and Its Applications held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, TamilNadu
- 05-07 Jan 2018 *Fuzzy Time Series Model for National Stock Price Prediction*, International Conference on Theory and Applications of Statistics and Information Sciences (Conjunction with ISPS and IBS) held at Department of Statistics, Bharathiar University, Coimbatore, Tamil Nadu
- 28 30 Dec 2017 *Time Series Model for Stock Price Forecasting in India*, International Conference on Recent Trends in Operations Research and Statistics held at Department of Mathematics, Indian Institute of Technology (IIT), Roorkee, Uttarakhand
- 5th Oct 2017Forecasting Nifty Bank Sectors Stock Price using ARIMA Model, National
Conference on Mathematical Modelling in Applied Sciences, Engineering and
Technology held at Department of Mathematics, A.E.T. College, Salem, Tamil Nadu
- 22 24 Sep 2017 **Risk Factor Analysis for Non-Communicable Diseases**, International Conference on Interdisciplinary Interaction on Non-Communicable Diseases held at Department of Biochemistry & Biotechnology, Annamalai University, Chidambaram, Tamil Nadu
- 04 & 05 Jan 2017 *Time Series Model for Stock Prediction*, National Conference on Stochastic Modelling and Its Applications (NCSMA-2018) held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, TamilNadu
- 22 24 Dec 2016 *Forecasting National Stock Price using ARIMA Model*, International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques held at Department of Statistics, Manipal University, Jaipur, Rajasthan
- 08 12 Dec 2014 *Time Series Modelling with Data Mining*, Training Programme on National Meet of Research Scholars in Mathematical Sciences held at Department of Statistics, University of Jammu, Jammu, Jammu & Kashmir

Training Programme

05 – 12 Jun 2023	FDP on <i>Exploring Innovation in Personal and Institutional Development</i> held at IQAC, National College (Autonomous), Tiruchirappalli, Tamil Nadu
28 th Feb 2020	<i>Stay Safe at Cyberspace – Cyber Security Empowerment for Teachers Community held</i> at Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
22 - 26 Feb 2016	Applications of SAS for Statistical Data Analysis, held at Department of Statistics Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
08 - 12 Dec 2014	National Meet of Research Scholars in Mathematical Sciences, held at Department of Statistics, University of Jammu, Jammu & Kashmir
28 - 31 Oct 2013	Applications of SAS, held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
21 - 25 Jan 2013	<i>Official Statistics</i> , held at National Academy of Statistical Administration (NASA), Ministry of Statistics & Programme Implementation, Govt. of India

19 & 20 Apr 2022	Workshop on <i>Advanced Statistical Methods and Applications (NWASMA-2022)</i> held at Department of Statistics (<i>Association with Tamil Nadu State Council for Higher</i> <i>Education</i>), Government Arts College, Chidambaram, Tamil Nadu
06 & 07 Feb 2020	Workshop on <i>Societal Responsibility for Rural Development: Role of Science Teachers</i> held at Department of Renewable Energy Science (<i>under scheme: PMMMNMTT – MHRD, GOI</i>), Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
07 & 08 Jan 2020	Workshop on <i>Data Analysis for Higher Education Teachers</i> held at Department of Statistics (<i>under scheme: PMMMNMTT – MHRD, GOI</i>), Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
29 - 31 Jul 2019	Workshop on <i>Enhancing Skills of Teaching for Young Higher Education Teachers</i> held at Centre for Teacher Resource and Academic Support (CTRAS), School of Education (<i>under scheme: PMMMNMTT – MHRD, GOI</i>), Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
25 & 26 Jul 2019	Workshop cum Training on <i>Advanced Regression Models and Panel Data</i> <i>Econometric Modeling using E-Views</i> held at Post Graduate and Research Department of Statistics, Salem Sowdeswari College, Salem, Tamil Nadu
19 th Jul 2019	Workshop on <i>NPTEL</i> by <i>IIT Madras</i> held at Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
7 th Dec 2018	Seminar on <i>Quality Research and Publications</i> for the <i>Ph.D Supervisors and Scholars</i> held at Centre for Research, Manomaniam Sundaranar University, Tirunelveli, Tamil Nadu
17 & 18 Dec 2017	Workshop on <i>Times-to-Events and Time Series Data Analysis using</i> R held at Department of Statistics, Cochin University of Science and Technology, Cochin, Kerala
09 & 10 Nov 2017	Workshop on <i>Statistical Methods in Medical Services</i> held at Department of Statistics, Manomaniam Sundaranar University, Tirunelveli, Tamil Nadu
2 nd Mar 2016	Workshop on <i>Applications of Statistical Methods in Medical Research</i> held at Department of Statistics, Manomaniam Sundaranar University, Tirunelveli, Tamil Nadu
28 & 29 Jan 2016	2 nd International Seminar on <i>Research for Prevention and Control of Non-</i> <i>Communicable Diseases</i> (collaboration with University of Alabama, Florida International University and ICMR), held at Department of Community Medicine, Pondicherry Institute of Medical Sciences (PIMS), Pondicherry
17 & 19 Nov 2014	Workshop on <i>Reliability Theory and Survival Analysis</i> (IWRS -2014), held at Department of Statistics, Annamalai University, Chidambaram, Tamil Nadu
21 - 24 Jul 2014	Workshop on <i>High Dimensional Statistical Computations Using R</i> held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu
14 & 15 Mar 2014	Workshop on <i>Stochastic Modelling in System Engineering</i> , held at Department of Mathematics, Coimbatore Institute of Technology, Coimbatore, Tamil Nadu
01 - 03 Aug 2013	Workshop-Cum-Seminar on <i>Recent Advancements in Statistical Research</i> , held at Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu

Conference and Training Programme (Virtual Mode)

- International Workshop on Integrated Approaches of Stochastic Modelling and Data Science for Sustainable Development (07 Sep – 11 Sep, 2022) Organized by Department of Statistics, S.V. University (Jointly Organized with ISPS), India.
- *International Conference* on Emerging Trends in Statistics and Data Science (07 Sep 10 Sep, 2021) Conjunction with ISPS (Jointly Organized by the Dept. of Statistics of CUSAT, M.D. University, University of Kerala, Bharathiar University and Madura College), India.
- E Training Programme on Biodiversity Governance in India (30 Aug 03 Sep, 2021) organized by National Institute of Rural Development and Panchayati Raj, Ministry of Rural Development, GoI, Rajendra Nagar, Hyderabad.
- National Conference on Future Cities, Sustainable Development and Geospatial Technologies (24 May, 2020) organized by Department of Studies and Research in Geograph, Rani Channamma University, Karnataka.
- Two Week MOOC Workshop for College Teachers on Management of Environment and Its Resources (28 April 11 May, 2020) organized by Department of Chemistry & Research, Nesamony Memorial Christian College, Marthandam and St. Xavier's College (Autonomous), Palayamkottai, Tamil Nadu.

Online Programme

- *National E Seminar* on Recent Advances in Mathematics (*20 & 21 Dec, 2021*) organized by Department of Mathematics (Connection with National Mathematics Day), Institute of Science, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh.
- Faculty Development Programme on Cognitive Analysis in Financial Services (04 Aug 11 Aug & obtained 'A' Grade) organized by IQAC and School of Commerce & Management, S.A. College of Arts & Science, Chennai, Tamil Nadu.
- Faculty Development Programme on NAAC Assessment & Accreditation (A&A) for Affiliated Colleges (08 June 13 June, 2020) organized by the IQAC, Vinayakrao Patil Mahavidyalaya (under the UGC Paramarsh Scheme), Aurangabad, Maharastra.
- Faculty Development Programme on Modern Teaching, Evaluation and Research Methods (02 June 07 June, 2020) under UGC scheme, STRIDE Component I (Research Capacity Building) organized by Vinayakrao Patil Mahavidyalaya, Aurangabad, Maharastra.
- *Faculty Development Programme* on ICT based tools and its applications in teaching learning process (*May 27 02 June, 2020*) organized by, BSVS Educational Learning Centre, Nagpur, Maharastra.
- Spoken Tutorial on LaTex (15 May, 2020) organized by Sree Narayana Guru College in January 2020 semester (association with IIT, Bombay Spoken Tutorial, funded by National Mission Education trough ICT, MHRD, Govt. of India).
- Faculty Development Programme on Probability and Statistics (with hands on training using virtual MATLAB & R) (16 May 22 May, 2020) organized by School of Advanced Sciences, Department of Mathematics, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu.
- Faculty Development Programme on Moodle Learning Management System (12 May 17 May, 2020) organized by Atal Bihari Vajpayee University, Bilaspur (association with IIT, Bombay Spoken Tutorial (An Initiative of National Mission Education trough ICT, MHRD, Govt. of India).
- *National Level Faculty Development Programme* on LaTeX (04 May 08 May, 2020) organized by School of Computer Science & Engineering, Poornima University, Jaipur (association with Spoken Tutorial IIT, Bombay).

Refresher Programme on MBA - PPC (Management, Business, Administration – Present & Post Crisis (14 April – 04 May, 2020) organized by Continual & Advanced Learning Lounge (CALL), SA Curriculum Advanced Support System, S. A. College of Arts and Science, Chennai, Tamil Nadu

Others

- Society Awareness: National Service Scheme (NSS)
- Academic Visit Within Country: Jammu & Kashmir, Karnataka, Kerala, New Delhi, Odisha, Puducherry, Rajasthan and Uttarakhand
- Academic Visit Within State: Chennai, Coimbatore, Cuddalore, Erode, Salem, Tanjavore, Tiruchirappalli and Tuticorin
- Academic Visit Industry: ISRO (Mahendragiri), Nuclear Power Plant (Kudankulam), ICMR & STQC

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Sd/-(A. MOHAMED ASHIK)