

CURRICULAM VITAE



Working Address:

Dr. M. RAGHAVENDER SHARMA M.Sc., Ph.D.

Assistant professor

Department of Statistics

University College of Science,

Osmania University, Hyderabad,

Telangana State, India -500007.

Correspondence Address:

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Saroornagar, Karmanghat,

Hyderabad – 500035, Telangana, India.

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Academic Credentials

I. Educational Qualifications

II. Academic Teaching Experience (1992-Till Date)

III. Visiting Faculty

IV. Courses Taught

V. Research Supervisor

VI. Research Interest

VII. Professional Activities such as workshops, seminars and Conferences

VIII. Publications in National and International Journals- 35 (up to September-2020)

IX. Guest Lectures

X. Orientation Program

XI. Refresher Programs

XII. Seminars Organized

XIII. Course Writer for academic books and Private Publications

XIV. Private Publications for Academic Books

XV. Awards

XVI. Bharat Utsav – 2011: Mega science exhibition Organized

XVII. Memberships

XVIII. Personal Details

I. EDUCATIONAL QUALIFICATIONS

- **Ph.D. in Statistics** from Osmania University project titled: “**Forecasting Production and Area of Important Crops in Andhra Pradesh using Time Series Modeling**” under the supervision of Prof. M. Krishna Reddy in the year 1999.
 - **M.Sc. (Statistics)** from Osmania University, passed in First Division in the year 1992.
 - **B.Sc. (M.P.C.)** from Osmania University passed in First Division in the year 1990.
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II. ACADEMIC TEACHING EXPERIENCE: 30 years

1992 – 2001	Part-time Faculty, Department of Statistics, Osmania University, Hyderabad.
1996 – 1997	Part-time Faculty, Department of Statistics, Koti Women’s College, Osmania University, Hyderabad.
1997 – 1998	Part-time Faculty at Department of Statistics, Nizams College, Osmania University, Hyderabad.
1998 – 2001	Part-time Faculty at Department of Statistics, P.G. College of Science, O.U., Saifabad, Hyderabad.
2001 – 19 th Jan2014	Assistant Professor& Part-Time at Department of Statistics, University College of Science, Saifabad, Osmania University, Hyderabad.
2014 – 2019Feb	Head I/C & Assistant Professor at Department of Statistics, University College of Science, Saifabad, Osmania University, Hyderabad.
2017Oct-2019Feb	Vice Principal, University College of Science, Saifabad, Osmania University, Hyderabad.
2019-till date	Assistant Professor, University College of Science, Osmania University.

III. VISITING FACULTY

- A visiting faculty to the department of computers, college of Engineering, Osmania University for MCA, M. Tech. / M.E (Bio-Medical)
 - A visiting faculty to Palamuru University, Mahabubnagar, for PG Courses (MCA, MBA and M.Sc. Bio-Chem.)
 - A visiting faculty to College of Nursing for UG & PG, Nizams Institute of Medical Science, Hyderabad.
 - A visiting faculty to Apollo Institute of Hospital Administration (MHA), Hyderabad.
 - A visiting faculty to M.E (Bio – Medical), college of Engineering, Osmania University.
 - A visiting Faculty to MCA & UG, Centre for Distance Education, Osmania University, Hyderabad.
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IV. COURSES TAUGHT

- M.Sc. (Stat.)
 - M.Sc. (Comp. Science)
 - M.C.A., M.B.A.
 - B.Sc., B.A., B.C.A. and related statistics and application in UG & PG level.
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V. SUPERVISOR EXPERIENCE

- Recognized as Research Supervisor to guide Research Scholars for Ph.D.in Faculty of Science In Both Subjects Statistics and Computer Science, Osmania University, T.S (Department of Statistics and Computer Science).
- Recognized as Research Supervisor to guide Research Scholars for Ph.D.in Faculty of Science (mathematics), KL University, A.P - in Department of Statistics.

(Awarded: 8, Thesis Submitted under review process: 1, PhD Scholars: 3)

VI. RESEARCH INTEREST

- Probability and Statistics, Time-Series
 - Vital Statistics, Applied Statistics, Bio-Statistics
 - Statistical Quality Control
 - Computers and Statistical applications
 - Network Security, Computer Communications and Computer Networks
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VII. Professional activities such as workshops, seminars and Conferences

- National Conference on RECENT ADVANCE OF MATHEMATICAL TECHNIQUES IN SCIENCE AND ENGINEERING, held at O.U, 30-31ST, 2017 organized y Dept. of Mathematics, O.U, Hyd.
- ONE DAY SYMPOSIUM ON RESEARCH METHODOLOGY Organized by the computer science, Dept. of Mathematics, on 6th May 2014.
- Participated in the "Induction Program", Organized by the "UPE-Centre for Professional Advancement and Continuing Education (C-ACE) in association with the Internal Quality Assurance Cell (IQAC), Osmania University, held on 20th and 21st June,2014
- International conference on " Nano-Bio & Material Sciences (ICONBMS-2014), by department of physics, Nizam College, Osmania University, dated 8th – 10th Jan-2014

- National conference on "Aerobiology and Public Health-2014", department of Botany, University College Of Science, Osmania University, dated 12th december, 2014
- International Conference Computing and communication Technologies (ICCCT 2014, Dept. of Computer science & Engineering Silver Jubilee Year (2013-2014), University college of Engineering (A), O.U, Hyd.
- National Workshop on "CURRENT TRENDS ON CLOUD SECURITY" Organized by Computer science, Dept. of Mathematics on 30 – 31st March 2013, O.U, Hyd.
- National Seminar on science and technology, society and development: a Discourse, by department of sociology, Osmania University, dated 28-03-2012.
- Workshop on "Familiarization of statistical package for social sciences (SPSS) by department of social work Osmania University, dated 29th -30th March, 2012.
- Two-days National Workshop on " THE ROLE .NET in CLOUDY COMPUTING" Organized by the computer science, Dept. Mathematics, on 30-31st December, 2012
- Two-days Workshop on .NET Technologies Organized by the Dept. Mathematics, on 30-31st July, 2011
- Workshop on "Applied Statistics at UG Level" by department of Statistics, Osmania University, dated 18-09-2010.
- National conference on "Recent Trends in Mathematical science" by department of mathematics, Osmania University, dated 30th – 31st -03-2010.
- International conference on "Recent Trends in Nano and Bio-Sciences" (ICORTNBS-2010), by department of physics, at PG College of science, Saifabad, Osmania University, dated 24th – 26th -02-2010.
- Participated in the International Instructional Workshop/ Conference on Applied Multivariate Data Analysis with applications to life, Social and Environmental Sciences during January 16-20, 2008 in collaboration with C.R. Rao Advanced Institute for Mathematics, Statistics and Computer Sciences, University of Hyderabad Campus, Gachibowli, Hyderabad at Department of Statistics, Osmania University, A.P., India.
- Participated in the workshop on Hotspot Geo-informatics during 24 – 25th December, 2005 at C.R. Rao Advanced Institute for Mathematics, Statistics and Computer Sciences, Osmania University, A.P., India.
- Participated in the Symposium on "Current Development in Statistics" held on July 29, 2005 at Department of Statistics, Osmania University, Hyderabad.
- Participated in the workshop on "Teaching of statistics at undergraduate Level" held on July 28, 2005 at Department of Statistics, Osmania University, Hyderabad.
- Participated in IX International workshop on Matrices and Statistics during 9th – 13th December, 2000 at Indian Statistical Institute & Society for Development of Statistics in collaboration with Birla Science Centre, Osmania University & University of Hyderabad.
- Paper presented on " Utility of Statistical Tests in Social Sciences" Two day national seminar on " Emerging Trends and Challenges of Professional Education in India " on 3rd & 4th March, 2015 at Dept of Social Work ,South Campus, Telangana University.
- Paper presented on "Modeling cropping pattern in Andhra Pradesh by Liner Time Series", in the conference of Indian Society for Probability and Statistics, during 18th – 21st December, 1995.

VIII. Publications in National and International Journals

- 1. Titled “Forecasting Paddy Yield in Andhra Pradesh using season time series model” published by International Research Journal of mathematics and statistics, sec – **E**, Vol-**28-E**, No-**1**, Bulletin of pure and applied sciences, Jan – Jun, **2009**, ISSN: **0970-6577**.
- 2. Titled “Forecasting Paddy Production in Andhra Pradesh state of india by SARIMA Model” published by International Journal “Atti Della Fondazione, Giorgio Ronchi – Fondatada Vasco Ronchi – Statistica”, ANNO-**LXIV**, **2009-N.5**, Sept-Oct, **2009**.
- 3. Titled “Forecasting Paddy Production in Andhra Pradesh with ARIMA Model” published by International Journal of Agricultural and Statistical sciences, Vol-**6**, No-**1**, June-**2010**, and ISSN: **0973-1903**.
- 4. Titled “Quality Assessment of the ground water using principal component Analysis in Mianpur area, Hyderabad, Andhra Pradesh” by Nature Environment and Pollution Technology – an international journal on diverse aspects of environment, Vol-**9**, No-**3**, September, **2010**, ISSN: **0972-6268**.
- 5. Titled “A Power Series Expansion of Green’s Function of an Optical System in Terms of Lommel Functions” published by Journal of Pure & Applied Physics, Vol. **23**, No. **3**, July-Sept-**2011**, ISSN: **0974-8970**.
- 6. Titled “Forecasting INR/USD Exchange Rates” published by International journal of Mathematical Sciences, Technology and Humanities, **114(2014)**, ISSN: **2249-5460**.
- 7. Titled “Forecasting Maize production in Telangana” published by International journal of Statistika and Mathematica, Vol. **14**, Issue. **1**, May-July-**2015**, ISSN: **2277-2790**.
- 8. Titled “Paddy Production in Telangana State: Current and Future trends”, published by Indian Journal of Applied Research, Vol. **6**, Issue. **3**, March-**2016**, ISSN: **2249-555X**.
- 9. Titled “SOME ASPECTS OF M/BICEX0/1 QUEUEING MODEL” published by International journal of Multidisciplinary Education Research (IJMER), Volume. **5**, issue. **2(2)**, pp. **53-59**, February **2016**, ISSN: **2277-7881**.
- 10. Titled “Forecasting of daily Prices of Gold in India using ARIMA and FFNN Models”, published by International Journal of Engineering and Advanced Technology, Vol.8, Issue. **3**, Feb-**2019**, pp. **516-521**, ISSN: **2249-8958**. (**SCOPUS**)
- 11. Titled “Forecasting INR/USD Exchange Rates using Hybrid and Neural Network model”, published by TEST Engineering and Management, Jan- Feb-**2020**, pp. **14508-14517**, ISSN: **0193-4120**. (**SCOPUS**)
- 12. Titled “Forecasting of Egg prices in Telangana Using R-software”, published by International Journal of Applied Research, vol.10, Issue.3, pp. **44-46**, Mar-**2020**, ISSN: **2249-555X**, IF : 6.03.
- 13. Titled “Forecasting of Silver Prices Using Artificial Neural Networks”, published by Journal of Advanced Research in Dynamic & Control Systems, Vol. **10**, **06**-Special Issue, May-**2018**, ISSN: **1943-023X**. ***(SCOPUS)**

- 14. Titled “Problem Statement on Missile Firing” published by International Journal of Advance Research and Innovative Ideas In Education (IJARIIE), Vol.3, Issue.5, pp.217-226, 2017, ISSN: 2395-4396, IF : 4.06.
- 15. Titled “Achieving Fast Communication Mechanism by using Transitive Trust Relationships for VANET” published by International Journal of Scientific Research in Computer Science, Engineering and Information Technology(IJSRCSEIT), Vol.2, Issue.5, pp.349-355, 2017, ISSN: 2456-3307, IF: 4.032. (UGC LISTED-2017)
- 16. Titled “Simulators for VANET” published by International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol.5, Issue.10, pp.1723-1735, 2017, ISSN: 2321-9653, IF: 6.8. (UGC LISTED-2017)
- 17. Titled “A Survey on Clustering Approaches for VANET” published by International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Vol.2, Issue.5, pp.508-517, 2017, ISSN : 2456-3307, IF : 4.032. (UGC LISTED-2017)
- 18. Titled “Invention of Gamma Protocol for VANET by Using Modular Arithmetic Techniques” published by International Journal of Advanced Research in Computer Science (IJARCS), Vol.8, No.8, pp.233-238, 2017, ISSN : 0976-5697, IF : 5.8. (UGC LISTED-2017)
- 19. Titled “Increasing Information Shareability by Using NTBS Clustering Approach for VANET” published by IPASJ International Journal of Computer Science (IJCS), Vol.5, Issue.10, pp.001-017, 2017, ISSN: 2321-5992, IF: 5.1. (UGC LISTED-2017)
- 20. Titled “Tool Command Language for VANET” published by International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Vol.6, Issue.4, 2017, ISSN: 2319-1953, GIF: 0.6. (UGC LISTED-2017)
- 21. Titled “A Survey on Security Attacks for VANET” published by International Journal of Computer Science and Mobile Applications (IJCSMA), Vol.5, Issue.10, pp.58-70, 2017, ISSN: 2321-8363, IF: 4.123. (UGC LISTED-2017)
- 22. Titled “Network Simulator Version 2 for VANET” published by International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Vol.2, Issue.5, pp.866-877, 2017, ISSN : 2456-3307, IF : 4.032. (UGC LISTED-2017)
- 23. Titled “Traditional Data Encryption Methods for VANET” published by International Journal of Advance Scientific Research and Engineering Trends (IJASRET), Vol.2, Issue.4, pp.32-35, 2017, ISSN: 2456-0774, IF : 4.530.
- 24. Titled “Reliable and efficient Routing Mechanisms for VANET” published by Asian Journal of Computer Science and Technology (AJCST), Vol. 7, No. 2, 2018, ISSN: 2249-0701. (UGC LISTED-2017)
- 25. Titled “Information Sharing Standards in Communication for VANET” published by International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Vol.7, Issue.4, 2017, ISSN: 2319-1953, GIF: 0.6. (UGC LISTED-2017)

- 26. Titled “Invention and Implementation of NTBS Clustering Protocol for VANET” published by International Journal of Computer Sciences and Engineering (IJCSE), Vol.6, Issue.5, pp.1100-1110, 2018, ISSN: 2347-2693, IF: 3.022. (UGC LISTED-2018)
- 27. Titled “Efficient and Reliable Data Dissemination Approaches for VANET” published by International Journal of Computer Sciences and Engineering (IJCSE), Vol.6, Issue.11, pp.407-412, 2018, ISSN: 2347-2693, IF: 3.022. (UGC LISTED-2018)
- 28. Titled “Understandable Main Concepts of IoT in Modern Technology”, published by International Journal of Management, Technology and Engineering (IJMTES), Vol. IX, Issue. III, 2019, ISSN: 2249-7455, IF: 6.3. (UGC LISTED-2019)
- 29. Titled “Case study of NTBS Protocol Implementation in Nibble Bits for VANET” published by Global Journal of Engineering and Researches (GJESR), Vol.6, Issue. 3, 2019, ISSN: 2348-8034, IF: 5.070. (UGC LISTED-2019)
- 30. Titled “Rudimentary Concepts of Cloud Computing Approaches and future Challenges for VANET”, published by International Journal of Scientific & Technology Research, Volume. 8, Issue. 9, 2019, ISSN: 2277-8616, IF: 3.023. (***SCOPUS***)
- 31. Titled “A Theoretical Research on NTBS Protocol: Its Implementation and Possibilities in Nibble-bits in NAM for VANET Security”, published by International Journal of Engineering Research & Technology (IJERT), Volume. 8, Issue. 11, PP. 233-241, 2019, ISSN : 2278-0181, IF: 7.86.
- 32. Titled “A Novel Protocol for Safety Messaging and Secure communication for VANET System: DSRC”, published by International Journal of Engineering Research & Technology (IJERT), Volume. 9, Issue. 1, 2020, ISSN: 2278-0181, IF: 7.86.
- 33. Titled “A Robust, Flexible, and Efficient authentication Key Exchange Protocol for VANET Based on Law Executor”, published by International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Volume. 7, Issue. 8, 2020, ISSN: 2394-2320, IF: 4.8. (PEER-REVIEWED)
- 34. Titled “A Short Communication on Computer Programming Languages in Modern Era”, published by International Journal of Computer Science & Mobile Computing (IJCSMA), Volume. 9, Issue. 9, pp.50-60, 2020, ISSN: 2320-088X, IF: 7.056.
- 35. Titled “Theoretical concepts of a computer machine and its importances: a survey”, published by International Journal of Computer Science Trends and Technology (IJCSST), Volume. 8, Issue. 5, pp.61-80, 2020, ISSN: 2347-8578, IF: 5.21.
- 36. Titled “Accuracy of forecasting models using Bootstrap test and Friedman’s test ”, published by : AIP Conference Proceedings 2375, 020005 (2021); <https://doi.org/10.1063/5.0066376> Published Online: 05 October 2021.
- 37. Forecasting of Potato prices in Telangana using FFNN and Hybrid in time series models, published by IJSEAT (2021), Vol:9, ISSN: 2321: 6905
- 38. Forecasting of SBI Stock prices in India using ARIMA models, published by JUNI KHYAT Journal (2022), Vol:12, ISSN: 2278: 4632
- 39. Usage of social spider optimization algorithm for cryptography technique for the data security in cloud network, IJSDR, Vol:8,ISSN: 2455-2631
- 40. An Analytical overview of cloud storage security Issue,CIMS, ISSN:1006-5911,2023

- 41. Detection of accuracy power of gold prices in India using time series analysis, IIEJ, ISSN: 0970-2555, vol:52,2023.
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IX. GUEST LECTURES

- A lecture delivered on “Statistics Processing and Analysis for Social Science Research” , on 02nd Nov,2014, _at Dept of Social Work, South Campus,Telangana University and in the Palamoor University(M.Sc.)
 - A lecture delivered on “Statistics Processing and Analysis for Social Science Research” ,on Oct 2014 – 2016 at Dept of Social Work, PG college of Secunderabad, Osamina University, Hyderabad.
 - A lectures delivered on “Statistics and Its Applications” ,on Dec 2016 at Mahatama Gandhi University, Nalgonda.
 - A lecture delivered to MCA I semester on 09/03/1999 and to MBA on 15/03/1999 in the area of Probability & Statistics at Bandameedipally, MBNR under Osmania University.
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X. ORIENTATION PROGRAM

- Participated in the U.G.C. Sponsored ORIENTATION PROGRAMME held during 03rd April to 30th April 2014 at Academic Staff College, Moulana Azad National Urdu University, Hyderabad.
 - Attended in the Faculty Development Programme held during 2nd August to 6th August at University College of Engineering (A), Osmania University, Hyderabad.
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XI. REFRESHER PROGRAMS

- Participating in the U.G.C. Sponsored Refresher PROGRAMME Undergoing ,18th Sept 2015 to 09th Oct 2015 at UGC-Human Resource Development Centre (Academic Staff College), Osmania University, Hyderabad.
 - Participating in the U.G.C. Sponsored Refresher PROGRAMME Undergoing ,18th Sept 2015 to 09th Oct 2015 at UGC-Human Resource Development Centre (Academic Staff College), Osmania University, Hyderabad.
 - Participating in the U.G.C. Sponsored Refresher PROGRAMME Undergoing ,Jan 30th 2017 to Feb 18th 2017 at UGC-Human Resource Development Centre (Academic Staff College), Osmania University, Hyderabad.
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XIII. SEMINARS ORGANIZED

- Conducted a Seminar as Seminar Coordinator on “New Techniques and Technologies in Statistics” held on 24th November 2001 at Sundarayya Vignan Bhavan, Baghlingampally, Hyderabad.
- Two days workshop on R-Software and Data Sciences organized by Dept. of statistics, O.U,

Hyderabad. RSDS -2017, on 20-21st, Jan -2017

- One day National Seminar on “ROLE OF STATISTICS IN ADMINISTRATION” on June 29, 2017 in the eve of golden jubilee year.
- UGC-DRS-SAP-1 Sponsored National Conference of “RECENT ADVANCES IN STATISTICS” NCRAS-2014, 21-22nd Feb-2014

XIV. COURSE WRITER

- As a **Course Writer** for **B.A. (I Year) Statistics** – Paper: I – Probability and Distributions to **Prof. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION**, Osmania University, Hyderabad.

Academic Book Publications

- Book Publication for B.Sc Statistics Semesters I, as per the New CBCS Syllabus of I semester for All the Universities in Telangana State w.e.f 2016-17.
- Book Publication for B.Sc Statistics Semesters III, as per the New CBCS Syllabus of III semester for All the Universities in Telangana State w.e.f 2016-17
- Book Publication for B.A. (I year) Statistics-Probability and distributions, PGRRCDE, Osmania University,

Private Publications

Private Publication Books for B.Sc(Statistics) all papers (I, II, III,& IV) and M.sc (Mathematics) Entrance Examination.

XV. AWARDS

- Awarded “**B.N. Shastri Memorial Yuva Pratibha Puraskar Award**”, for the Best Teacher in Statistics, 2006.

XVI. Bharat Utsav – 2011: Mega science exhibition

- Bharat Utsav – 2011: Mega science exhibition and conference at PG College of science, Saifabad, Osmania University, dated 18th – 24th -08-2011.

XVII. MEMBERSHIPS

- Member, Career Counseling Committee, UCS, Saifabad, OU.
- Member, Society for Development of Statistics, UCS, OU.
- Member, Indian Society for Probability and Statistics.
- Volunteer – Community Based Social Welfare Activities, Association for Rural Improvement in Socio-Economic Status (ARISE, NGO) from 1993 to till date.

- Member BOS(Board of Chair Person) Member in St.Joseph College, Hyderabad.
- Member, DRC (Department Research Committee), Dept. of Statistics, Osmania University.
- Member, BOS(Board of Chair Person) Member in TARA Govt. Degree College, Siddipet.
- Member, Construction of Joint Inspection Committee (JIC), Inspection of Colleges “Telangana State Council of Higher education”.
- Membership of IAENG, Hongkong
- Editorial Board Member in Mathematics and Computer Science Journal, SciencePG, U.S.A
- Editorial board Member in IJASR Journal, Sector-3, Rohini, Delhi, India
- Editorial Board Member in IJTRD Journal, Ratnakar Road, Kapadwanj, Gujarat, India
- Editorial Board member in IJMTT, SSRG Journals, Tamil Nadu, India
- Reviewer member in IJERT Journal, Gandhi Nagar, Gujarat, India
- Review member in Economic Affairs Journal, Uttam Nagar, New Delhi, India

XVIII. PERSONAL DETAILS

Father's Name	:	M. Ramnath Sharma
Mothers Name	:	M. Laxmi Devi
Date of Birth	:	15 th July, 1970
Marital Status	:	Married (Wife with two children)
Languages Known	:	English, Hindi and Telugu
Nationality	:	Indian
Native Place	:	Balmoor, Mahaboobnagar District, Telangana, India.

(M. RAGHAVENDER SHARMA)