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| Name | Dr.R.VIJAYARAGUNATHAN | | | | | |
| Designation | Assistant Professor and Head | | | | | |
| Address for communication with E-Mail & Mobile No. | Department of Statistics Indira Gandhi College of Arts and Science Indira Nagar, Puducherry –6. rv@dhtepdy.edu.in 94438 49615 | | | | | |
| Educational Qualification (from UG Level onwards) | Degree | Institution /University | | Month & Year of Passing | | Class/%/ CGPA |
| | Ph.D (Statistics) | University of Madras, Chennai | | September 2023 | | Highly Commended |
| | M.Phil (Statistics) | University of Madras, Chennai | | August 2003 | | I |
| | M.Sc (Statistics) | Annamalai University Chidambaram | | May 2002 | | I |
| | M.Sc (Mathematics) | Annamalai University Chidambaram | | May 2008 | | II |
| Teaching Experience | UG: | 20 Years | | PG: | - | |
| Research Experience/ Area of Specialisation | Design of Experiments | | | | | |
| No. of Papers Presented in Conference/ Seminars/ Symposia | National: | 2 | | International: | 6 | |
| No. of Papers Published in Journals/Books | National: | - | | International: | 9 | |
| No. of Conference/ Seminars/Symposia Organized | Workshop: | 1 | Seminar: | - | Conference: | - |
| No. of Conference/ Seminars/Symposia Attended | Workshop: | 8 | Seminar: | 2 | Conference: | 7 |
| Refresher course attended | 2 | | | | | |
| Orientation course attended | 1 | | | | | |

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| <p>Details of Papers Presented in Conference / Seminars/ Symposia</p> | <ul style="list-style-type: none"> Presented a research paper titled “ Bayes Factors for Comparisons of 2⁴ Factorial Design” in International Conference on Advance in Statistical Methods” organized by Department of Statistics, University of Madras, Chennai during 24-25 January 2022. Presented a research paper titled “Bayesian Approach for Multiple Regression Model” in the International Conference on Advanced Research in Mathematical Science organized by the Department of Mathematics, Sri Manakula Vinayagar Engineering College, Puducherry during 24-25, February, 2021. Presented a research paper titled “D-Optimal Experimental Design with Example” in the International Conference on Advances in Statistical Methods and Data Science organized by Department of Statistics, University of Madras, Chennai during 21-22 December, 2018. Presented a research paper titled “Bayesian Approach in Medical Data” in East Asia Regional Conference of International Biometric Society organized by the Department of Biometrics & Informatics (Biostatistics), JIPMER, Puducherry during 16-17, February, 2018. Presented a research paper titled “Comparison of different priors to Bayes Factors for ANOVA with Examples using R” in International Conference on Statistics for Twenty-first Century organized by the Department of Statistics, University of Kerala, Trivandrum during 14-16, December, 2017. Presented a research titled “Bayes Factor for ANOVA with R” in the National Seminar on Advances in Statistics and Computer Applications” organized by the Department of Statistics, University of Madras, Chennai during 3 – 4 March, 2017. Presented a paper titled “Classification of Population in India” organized by the Directorate of Census Operations, Puducherry with Department of Statistics, Indira Gandhi College of Arts and Science, Puducherry on 9th January, 2015 |
| <p>Details of Papers Published in Journals/ Books</p> | <ul style="list-style-type: none"> Vijayaragunathan R, Kishore K John, Srinivasan MR., Identifying the influencing factors for the BMI by Bayesian and frequentist multiple linear regression models: A comparative study. Indian Journal of Community Medicine 2023, Vol.48, Issue 5: 659-665. DOI:10.4103/ijcm.ijcm_119_22 Vijayaragunathan, R., and Srinivasan, M.R. (2022). Comparisons of Bayes factors for 2⁴ full, fractional and reduced factorial designs. <i>International Journal Advanced and Applied Sciences</i>, 9(9), Pages: 158-167. https://doi.org/10.21833/ijaas.2022.09.020 Vijayaragunathan, R., and Srinivasan, M. R., (2022). Bayes factors for comparisons of 2³ factorial designs, <i>Advances and Applications in Statistics</i>, Vol.78, 123-139. http://dx.doi.org/10.17654/0972361722054 Vijayaragunathan, R., Kanagavel, S., and Srinivasan, M. R., (2022). Comparisons of 2³ Factorial Designs by Frequentist and Bayesian Approach. <i>International Journal of Mathematics Trends and Technology</i>, Vol.68, Issue 3, 45-50 March 2022. https://doi.org/10.14445/22315373/IJMTT-V68I3P509 Vijayaragunathan, R., Kishore K John, and Srinivasan, M. R., (2022). Bayesian Approach: Adding Clinical Edge in Interpreting Medical Data. <i>Journal of Medical and Health Studies</i>, 3(1), pp.55-61. https://doi.org/10.32996/jmhs.2022.3.1.9 Vijayaragunathan R and Kishore K John, “Customer Retention Among Telecom Service Providers – A Markov Model Analysis”, <i>IJRESM</i>, vol. 5, no. 1, pp. 51–55, Jan. 2022. Vijayaragunathan, R., and Srinivasan, M. R., (2021). Bayes Factors for Comparison of Two-Way ANOVA Models. <i>Journal of Statistical Theory and Applications</i>, Vol.19 (4), Dec-2020, pp.540-546. https://doi.org/10.2991/jsta.d.201230.001. Vijayaragunathan R., and Srinivasan, M. R., (2020). Analysis of Variance – A Bayesian Approach, <i>Adalya Journal</i>, Vol.9, Issue.3, 898-903. |

Details of
Conference/
Seminars/
Symposia
Attended

Conference Attended

- National Conference on “Recent Advances in Statistics and Computer Applications” held at Bharathiar University, Coimbatore during 21-23 December 2010.
- International Conference on “*Ranking and Selection, Multiple Comparison Reliability and its Application*” held at Chennai during 27-30 December 2002.

Workshop Attended

- International Workshop on “**Applied Time Series Analysis using R**” organized by the Department of Statistics, University of Madras, Chennai on 20th December, 2018.
- National Workshop on “**Statistical Methods for Clinical Research**” held at the Department of Biometrics & Informatics (Biostatistics), JIPMER, Puducherry on 15th, February, 2018.
- National Workshop on “**Statistical Computations using SPSS & R**” held at the Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli during 1 – 2 June, 2017.
- National Workshop on “**Geo-Statistics and Spatial Data Analysis**” held at Pondicherry University during 19-21 December 2012.
- National Workshop on “*Applications of Logics*” held at Sathyabama University, Chennai during 22th to 24th October 2009.
- National Workshop on “*Mathematics Aspects of Scientific Computing*” held at Sathyabama University, Chennai during 24-26 April 2008.
- National Workshop on “*Statistical Methods*” held at Pondicherry University, Puducherry during 14-15 March 2008.
- One day International Workshop on “*Reliability*” held on 26th December 2002 at Chennai. By William Q. Meeker, Iowa University, USA.

Seminar Attended

- National Seminar in “*Statistical Methods and Applications*” held at Annamalai University, Chidambaram during 14-16 March 2002.

Symposium Attended

- National Symposium on Actuarial Science and Business Analytics (NSASBA-2016) held at Department of Statistics, University of Madras, Chennai during 14-15 March 2016.

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| <p>Details of Refresher course attended</p> | <ul style="list-style-type: none"> • Refresher Course on Women Studies (Multi-Disciplinary) held at Academic Staff College, Pondicherry University during 07.02.2014 to 27.02.2014 (21 Days). • Refresher Course in “Statistics and Research Methods” conducted by the UGC-HRDC, University of Kerala, Trivandrum from 24.05.2018 to 13.06.2018 (21 Days). • Refresher Course on “Managing Online Classes & Co-creating MOOCs 12.0” organized by the Teaching Learning Centre, Ramanujan College, University of Delhi during 07 – 21 March 2022 (15 Days). |
| <p>Details of Orientation course attended</p> | <ul style="list-style-type: none"> • 96th Orientation Course held at Academic Staff College, Pondicherry University during period 20.05.2009 to 16.06.2009 (28 Days). • Orientation Course on “Enhancement Training for NSS Programme Officer” held at Madras School of Social Work, Egmore, Chennai from 06.02.2013 to 12.02.2013. |
| <p>NPTEL Online Course completed</p> | <p style="text-align: center;"><u>NPTEL Online Certification</u></p> <ul style="list-style-type: none"> • Aug-Oct 2022 (8-week course) Descriptive Statistics with R Software (Performance: Elite+Silver) • Jan-Feb 2023 (4-Week Course) Python for Data Science (Performance: Elite) • Jan-Apr 2023 (12-week course) Essentials of Data Science with R Software -2: Sampling Theory and Linear Regression Analysis (Performance: Elite+Silver) • Jan-Apr 2023 (12-week course) Probability and Statistics (Performance: Elite) • Jul-Aug 2023 (4-week course) Business Analytics & Data Mining Modeling Using R – Part II (Performance: Elite) • Jul-Sep 2023 (8-week course) Matrix Analysis with Applications (Performance: Elite) |