

PROFILE



Name : Dr.Mrs.R.Jamuna

Educational Qualification : M.Sc, M.C.A, M.Phil, Ph.D

Designation : Associate Professor

Date of Joining : 29.11.1990

Experience UG/PG/M.Phil : UG: 30 yrs PG: 25 years

Academic Distinctions : University Rank holder at PG level.

Area of Specialization : Data Mining.

RESEARCH PUBLICATIONS : Seminar/Conferences Attended/Presented: 30
: International/National Journal Publications: 40

Level: International/National	Presented	Published
International	10	26
National	19	14
Total	29	40

Total Seminar/Conference Proceedings Publications: 29

Total Journal Publications: 40

Indexed in Google Scholar: 13

Scopus Indexed: 3

Projects: No. of Minor Projects: 1

Title: Minor project AI based analysis of learning disabilities: UGC 2011-2013 Rs 96,500.

- **Total number of Research papers presented (29) and published in National and International Seminar Proceedings and National/International Journals: 35.**
Scopus Indexed: (3 author Indexed in 2004) + (7 Journal indexed).
Indexed in Google scholar: 10
- **E-mail :rjamuna2002@gmail.com**

Research Papers Presented in National and International Conferences: 29

1. Dr.R.Jamuna, presented a paper on “**Progressive learning through Conflict Management**”, **International Seminar**, December,2017, Centre for Ethics and Human values, S.R.College, Trichy.
2. Dr.R.Jamuna presented a paper on “**Conflict Management in IT industries**”, **International Seminar**, December, 2017, Centre for Ethics and Human values, S.R.College, Trichy.
3. Dr.R.Jamuna **National Seminar** on Complementary Approach to Aspects and Applications of Music and Yoga presented a paper on “**Stimulation of Brain waves using Neuro Acoustics**”, 14.8.2013.
4. Dr.R.Jamuna **National Seminar** on Complementary Approach to Aspects and Applications of Music and Yoga presented a paper on “**Vibro Acoustic Application in Medicine**”, 14.8.2013.
5. Dr.R.Jamuna **National Seminar** on yoga towards enhancement in sports”, presented a paper on “**Role of Yoga in health improvement**“, Department of Physical Education, 28.9.2013.
6. Dr.R.Jamuna **National Seminar** on “yoga towards enhancement in sports”, presented a paper on “**Impact of Yoga in human brain**, Department of Physical Education, 28.9.2013.
7. Dr.R.Jamuna, **National Seminar**, Presented a Paper on, “**Electrical Pollution and impacts on Health**”, Dept of Economics, 23.09.2011.
8. Dr.R.Jamuna, **National Seminar**, presented a paper on, “**Computer based pollution and impacts on health**”, Dept of Economics, 23.09.2011.
9. Dr.R.Jamuna, **National Seminar**, presented a paper on “**Data Mining Techniques Applied to Epigraphy**”, Dept of History, and 20.09.2011.
10. Dr.R.Jamuna, **International Seminar**, presented a paper on “**Computer Applications in Cosmology**,” Dept. of Chemistry, SRC.14.11.2011.
11. Dr.R.Jamuna, **International Seminar**, presented a paper on “**Cluster analysis- Data mining techniques applied in Cosmology**”, Dept. Of Chemistry, SRC.14.11.2011.
12. Dr.R.Jamuna, **International Seminar**, “**Mask Mode Radiography in Image Processing**”, SEEC- KINGSTON UNIVERSITY, sponsored by BHC, Trichy, 4.11.2009.

13. Dr.R.Jamuna, **National seminar** on “Challenges of Quality, sustenance and enhancement in Arts and Science education.”presented a paper on “**Quality in Education for Personality Development**” SRC, Trichy, August, 2009.
14. Dr.R.Jamuna, **National seminar** on “Challenges of Quality sustenance and enhancement in Arts and Science education.” presented a paper on “**Quality in Higher education**”, SRC, Trichy, August, 2009.
15. Dr.R.Jamuna **National Level Seminar** “**Genetic mutations and disease diagnosis by ANN based algorithms**”, SIGC College, Trichy, 23, 02.2007.
16. Dr.R.Jamuna, **State Level Seminar** presented a paper on “**Ann Based Knowledge Engineering in medical diagnostics**”, CSI-SIGC College, Trichy, 14.10,2006.
17. Dr.R.Jamuna, **International Seminar, TELEMEDICINE**, DS College, Perambalur, 1.09.2006.
18. Dr.R.Jamuna, **National Seminar** “**Telemedicine & Ann Based Technologies**”, Jayaram College of Engineering, Trichy, 22.9.06.
19. Dr.R.Jamuna, **National Seminar, Wireless Application Protocol**, Navarasam Arts & Science College, Archalur, February, 2005.
20. Dr.R.Jamuna, **National Seminar** presented a paper on. “**Data Mining**”, Navarasam Arts & Science College, Archdale, February, 2005.
21. Dr.R.Jamuna, “**Computer Based Fuzzy –Genetic Analysis in Medical Diagnostics**”, **International Conference**, BY WEB, Lyons, France, and July, 04. **Scopus Indexed. Author ID: 8565099400**
22. Dr.R.Jamuna,” **Data Mining Techniques Applied In Medical Diagnosis**”, **International Conference**, Lyons, France, July,04.BY WEB, Lyons, France, July, 04.
23. Dr.R.Jamuna, **International Conference on Simulation**, “**Neuro-Computer Based Mathematical Analysis in Medical Diagnostics**”, page 389, ISBN 985-6107-33-4, Minsk, Belorussia, 28.4.04.**Scopus Indexed. Author ID: 8565099400**
24. Dr.R.Jamuna, **International Conference on Simulation**,” **Computer Based Analysis of Genetic Patterns**,” page 302, ISBN 985-6107-33-4, Minsk, Belorussia, 28.4.04. **Scopus Indexed. Author ID: 8565099400**
25. Dr.R.Jamuna, **National Seminar** on” **Computer algorithms in the analysis of large databases**”, Fatima College, Madurai, 12.3.04.
26. Dr.R.Jamuna **National Seminar** on Management of Biomedical wastages, Presented a paper on “**Impact of Biomedical**

wastages on health and management of the same”, Biochemistry Association, SRC, 4.03.2004.

27. Dr.R.Jamuna, **National Seminar** on cyber feast, presented “**e-technologies a boon for happy mankind”**, C S Association SRC, 12.2.2004, SRC.
28. Dr.R.Jamuna presented a paper on” **Computer aided Diagnostics and Therapy for Medical Researchers and Doctors State Level Conference**, CME program at Joseph’s Eye Hospital Auditorium 1998.
29. Dr.R.Jamuna , **National Seminar** on “**Data Security”, Computer Viruses, Worms & Vaccines, National Seminar**, CSI, BHEL, Computer Society of India, 1990, BHEL,Trichy.

Research Papers Published in International Journals/Proceedings: 40

1. Dr.R.Jamuna, J.S.Subha Shree , “**Deep Learning Based Techniques For Fake News Detection**”, **International Journal** in IT & Engineering (IJITE), Volume 12 Issue 11, November 2024 ISSN: 2321-1776 Impact Factor: 8.341.
2. Dr.R.Jamuna, "**Predictive Data Analytics using R Language**", **International Journal** of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume.12, Issue 4, April 2024| pages k650-k655 Impact factor: 7.97.
3. Dr.R.Jamuna, Ms.G.Sindhuja, “**A Machine Learning Methodology for Diagnosing Chronic Kidney Disease**”, **International Journal** of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume 12, Issue 4, April 2024 | pages n145-n151, Impact factor: 7.97.
4. Dr.R.Jamuna, Ms.P.KiruthigaRahini “**Artificial Intelligence Algorithm Based Online Application**”, **International Journal** of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume 11 Issue 2 February 2023|pages f340 to f350, Impact factor: 7.97.
5. Dr.R.Jamuna , “**Data Mining Technique Applied To Prediction of Events** " The **International Journal** of analytical and experimental model analysis, Volume XIII, Issue IX, September/2021,ISSN NO:0886-9367,Pages: 733-741, Scientific Journal Impact Factor - 6.3.
6. Dr.R.Jamuna, “**Analytics of Trial Medicines in Sample Population**” **International Journal** of Seybold Report ISSN NO:1533-9211, Vol-15, Issue 9, September 2020|pages 3836-3842, Indexed in Scopus.
7. Dr.R.Jamuna “**Analytics by Anova in Clinical Predictions**”, **International Journal** of Computer Sciences and Engineering(IJCSE) E-ISSN: 2347-2693, Vol.-7, Issue-9, September 2019 E-I, page 168-170 Impact factor:3.802. **Indexed in Google Scholar.**

8. Dr.R.Jamuna “**Modeling the Learning Disabilities in Student Population**”, International Journal of Computer Sciences and Engineering (IJCSE) , E-ISSN: 2347-2693,Vol.-7, Issue-9, September 2019 E-I, page: 158-161, Impact factor: 3.802. **Indexed in Google Scholar.**
9. Dr.R.Jamuna "**Data Analytics and Predictions in Cell Phone usage**" , International Journal in IT & Engineering (IJITE),Volume 6 Issue 1, page 22-27 ,January 2018 ISSN: 2321-1776 Impact Factor: 6.341, International Journal in IT & Engineering. **Indexed in Google Scholar.**
10. Dr.R.Jamuna "**Data Analytics and Predictions in Crop Yielding**", **International Journal** in IT & Engineering (IJITE),Volume 5 Issue 12, page1-6 , December 2017 ISSN: 2321-1776 Impact Factor: 6.341, International Journal in IT & Engineering. **Indexed in Google Scholar.**
11. Dr.R.Jamuna, “**Progressive learning through Conflict Management**”, **International Journal**, Shanlax, Proceedings, IJASH, and ISSN 2321-788 X, pp 63-65.impact factor-2.95-ic value-23.21: January, 2017, Centre for Ethics and Human values, S.R.College, Trichy.
12. Dr.R.Jamuna “**Conflict Management in IT industries**”, **International Journal**, Shanlax Proceedings, JASH, ISSN 2321-788X, pp 61-62, impact factor-2.95-ic value-23.21: January, 2017, Centre for Ethics and Human values, S.R.College, Trichy.
13. Dr.R.Jamuna “**Application of K-Means Algorithm in Data Mining**”, **International Journal** of Research in IT & Management"(IJRIM), Volume-6, ISSUE 12.Pp 9-15, December 2016, ISSN (o): 2231-4334, Impact Factor: 5.96, **Scopus ID: 4FC469B7C1B008AF.**
14. Dr.R.Jamuna, “**Data Mining Technique Applied to DNA Sequencing**”, **IJITE INTERNATIONAL JOURNAL** Vol.04 Issue-03, page8-17(March, 2016) ISSN: 2321-1776, International Journal in IT and Engineering, Impact Factor 5.343. **Indexed in Google Scholar.**
15. .R.Jamuna, “**Fuzzy Cluster Analysis Using Unsupervised Algorithm for the Diagnosis of Types of Diabetes**”, **IJITE International Journal**, IJITE JOURNAL, and ISSN-2321–1776) page 1-9, March 2015, Impact Factor: - 3.570, **Indexed in Google Scholar.**
16. Dr.R.Jamuna, “**Id3 Algorithm in Data Mining Applied to Diabetes Database**”, **IJITE International Journal**, ISSN- 2321– 1776, page10-28,) March 2015, Impact Factor: - 3.570. **Indexed in Google Scholar.**
17. Dr.R.Jamuna, “**Stimulation of Brain waves using Neuro Acoustics**”, Page: 67 **National** Conference Proceedings, Dept

of Music ISBN: 978-81-921759-5-9.

18. Dr.R.Jamuna,” **Vibro-Acoustic Application in Medicine**”, Page: 73, Proceedings, Dept of Music. **National Conference Proceedings** 2013 ISBN: 978-81-921759-5-9
19. Dr.R.Jamuna, Dr.K.Meena ,”**Role of yoga in health improvement**”, Volume-1,ISBN:978-81-921759-6-6, Page272 Page-272
a. **National Conference** Proceedings, Dept of Physical Education, 2013
20. Dr.R.Jamuna, Dr.K. Meena “**Impact of yoga in human brain**”, Volume-1, ISBN: 978-81-921759-6-6, Page-268 **National Conference** Proceedings, Dept of Physical Education, 2013.
21. Dr.R.Jamuna, Dr.K.Meena, “**Electrical pollution and impact on health**”, ISBN: 978-81-909490-4-0, page58, VOLUME-1,
a. **National Conference** Proceedings Dept of Economics, SRC, SEPTEMBER 2012.
22. Dr.R.Jamuna, Dr.K.Meena, “**Data Mining Techniques Applied To Epigraphy**”, ISBN: 978-81-920622-3-5 PAGE:
59, Volume-1, **National Conference** Proceedings, Dept of History, SRC, SEPTEMBER 2012.
23. Dr.R.Jamuna, Dr.K.Meena, “**Computer Applications in Cosmology**”, ISBN: 978-81-909490-6-4, PAGE: 28, Deptof
Chemistry, SRC, **International Conference** Proceedings, First Edition- 2013.
24. Dr.R.Jamuna, Dr.K.Meena “**Cluster analysis-Data mining techniques applied in Cosmology**”, ISBN: 978-81-909490-6-4
PAGE: 22, Dept of Chemistry, SRC, **International Conference** Proceedings, and First Edition-2013.
25. Dr.R.Jamuna, **International Seminar**, “**Image Enhancement in Mask Mode Radiography**”, SEEC-KINGSTON
UNIVERSITY Sponsored by BHC, Trichy, SEEC, Proceedings 2009, and ISBN: 978-81-907337-0-0 Volume-1, Page 186,
and Dated,4.11.2009.
26. Dr.R.Jamuna **National Level Seminar** “**Genetic mutations and disease diagnosis by ANN based algorithms**”, SIGC
College, Trichy, published in Seminar Proceedings, 23. 02.2007.
27. Dr.R.Jamuna, **International Seminar**, presented a paper on “**TELEMEDICINE-A Breakthrough in Medical Science**”, DS
College, Perambalur, published in Seminar Proceedings, 1,09,2006.
28. Dr.R.Jamuna, National seminar on “Challenges of Quality sustenance and enhancement in Arts and Science education.”
published a paper on “**Quality in education for personality development**” SRC, Trichy, August, 2009.
29. Dr.R.Jamuna, National seminar on “Challenges of Quality sustenance and enhancement in Arts and Science education.”
Published a paper on “**Quality in higher education**”, SRC, Trichy, August, 2009.
30. Dr.R.Jamuna “**Wireless Java in Medical Applications**”, IJASC JOURNAL, SRC, Volume 1: Oct 04-Mar 05, page 30.
31. Dr.R.Jamuna, “**Enterprise Java Beans-A Breakthrough in distributed computing for medical applications**”, IJASC
Journal, SRC, and Volume 1: Oct 04-Mar 05, page 24.

32. Dr.R.Jamuna, “**Computer Based Fuzzy –Genetic Analysis in Medical Diagnostics**”, **International Conference**, by WEB, Lyons, France, and July, 04. **Scopus Indexed. Author ID: 8565099400**
33. Dr.R.Jamuna, “**Data Mining Techniques Applied In Medical Diagnosis**”, **International Conference**, Lyons, France, JULY, 04.by WEB, Lyons, France, July, 04.
34. Dr.R.Jamuna, “**Neuro-Computer BasedMathematical Analysis in Medical Diagnostics**”, page 389, ISBN 985-6107-33-4, **International Conference**, Minsk, Belorussia, 28.4.04. **Scopus Indexed. Author ID: 8565099400**
35. Dr.R.Jamuna, “**Computer Based Analysis of Genetic Patterns**”, page 302,ISBN 985-6107-33-4, **International Conference**, Minsk, Belorussia, 28.4.04. **Scopus Indexed. Author ID: 8565099400**
36. Dr.R.Jamuna Dr.K.Meena “**Mathematical Analysis in the Prediction of Diabetes Mellitus in Pima Indian Population**”, **International Bio Science Research Bulletin**, ISSN 0970-0889, Volume 22, July –Dec, 2006, Page133-137.**Indexed in Google Scholar.**
37. Dr.R.Jamuna, Dr.K.Meena “**Data Mining by Logistic Regression Techniques in Pima Indian Diabetes Database**”,
 - a. **International Bio Science Research Bulletin**, Volume 22, July –Dec, 2006, Page 73-78, ISSN 0970-0889. **Indexed inGoogle Scholar.**
38. Dr.R.Jamuna, **National Seminar** on cyber feast, presented “**e-technologies a boon for happy mankind**”, CS Association SRC, 12.2.2004, SRC.
39. Dr.R.Jamuna presented a paper on” **Computer aided diagnostics and Therapy for Medical Researchers and Doctors State Conference** CME program at Joseph’s Eye Hospital Auditorium 1998.
40. Dr.R.Jamuna , **National Seminar** on “**Data Security**”, paper presented on “ **Computer Viruses, Worms & Vaccines**”, **National Seminar** held by CSI,BHEL, Computer Society of India, 1990, BHEL.

GUEST LECTURES DELIVERED

- Conducted **Faculty Development Training Program** for Faculty members of Kamakoti Vidyalaya School on **“Java Programming, Multithreaded Programming and Applications of Java”**, January, 2024.
- Conducted **Faculty Development Training Program** for Faculty members of Kamakoti Vidyalaya School on **“Facing the digital era, Threats in e- transactions, Safety in e-transactions-banking-shopping etc”**, November, 2023.
- Conducted **Faculty Development Training Program** for Faculty members of Kamakoti Vidyalaya School on **“Types of hackers in Internet era, Handling of hackers and Cyber Security, Excessive cell phone usage and its impact on Health, Society and Financial aspects. Proper ways of using mobile phones”**, December, 2023.
- Gave a **Consultancy** for AGA Soft Company, T.V.Koil, and Trichy on successful way of handling projects and web development, June 2023.
- Conducted a Workshop on **“Facing Interviews” for MCA students** of S.R.College- January 2012
- Conducted **Faculty Development Program in Computer Science for teachers of Savithri Vidysala Higher Secondary School, December, 2011.**
- Conducted two workshops on **“Computational Skills in Event Management” for Event Management students S.R.College December, 2011.**
- Conducted **Faculty Development Program for Non –Teaching staff of S.R.College office 2010.**
- Conducted **Faculty Development Program in Computer Science for Kamakoti Vidyalaya School Teachers-2010.**
- Delivered a lecture on **“Object Oriented Programming”**, Department of Physics June 2009.
- Delivered a lecture on **“Neuro Computing”**, Department of Mathematics, Holy Cross College November 2004.
- Delivered a lecture on **“Information Technology - a Historical perspective”**, Department of History, June 2004.
- Delivered a lecture on **“IT profile in European countries”**, Department of Physics, June 2004
- Delivered a lecture **“Oracle for Commerce Students”** Commerce Department S.R.College, August 1998.

- Served as a **Resource Person Computer Awareness Program-** for Faculty members of S.R.College, Nov, 1997.
- Served as a **Resource Person Computer Awareness Program-** for Students of **Kamakoti Vidyalaya (ICSE) School** 1986-2005.

Academic Support Activities

- **Acted as the Convenor** for the **International Conference on “Current trends in Information Technology”**(with sessions of domain experts from six different countries all over the world) conducted by the Department of Computer Science, S.R.College, December 2023.
- For **Faculty Development Program**, delivered a lecture on **“FACING THE DIGITAL ERA”** for the **Kamakoti Vidyalaya ICSE School Teachers**-November, 2017.
- For Faculty Development Program ,delivered a lecture on **“Android, IOS operating systems, Smart phone Architecture, safety in digital transactions and e-wastages and also cell phone based health hazards to teens”** to the Teachers of **Savithri Vidysala Higher Secondary School, December 2017.**
- Coordinator for supportive services, 2017-2019.
- Served as **Placement Director**, S.R.College, 2014-2016.
- Conducted two workshops on **“Computational Skills for Event Management”** for Event Management students S.R.College-2011-12.
- Conducted a Workshop on **“Facing Interviews”** for **MCA students** of S.R.College- January 2012.
- Conducted **Faculty Development Program for Non –Teaching staff of S.R.College office** 2010-11.
- Conducted **Faculty Development Program** in Computer Science for teachers of **Savithri Vidysala Higher Secondary School** 2010-11.
- Conducted **Faculty Development Program** in Computer Science for **Kamakoti Vidyalaya School Teachers**-2010-11.
- Served as a **Resource Person for** Computer Awareness Program- for Students of **Kamakoti Vidyalaya (ICSE) School.**
- Served as **Union Vice President**, S.R.College 2001-2002.
- Served as **Staff Secretary** in S.R.College-1995-1996.