



CURRICULUM VITAE

Dr.R.Jamuna M.Sc. MCA., M.Phil, Ph.D
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Career Objective

To Strive for academic excellence and impart quality education with emphasis in Computer Science

Academic Qualification

- **Ph.D Computer Science** - Bharathidasan University, with International Scopus Publications.
- **M.Phil Computer Science**– Bharathidasan University .Distinction.
- **M.CA Computer Science & Applications** -M.S University. Distinction.
- **M.Sc Physics**–S.R College. Distinction with University Rank.
- **M.Phil Physics**—S.R College.Distinction, with I rank in the College.
- **PG Diploma in Computer Applications.**-- S.R College- Outstanding with I rank in the College.

Work Experience

- Working as an Associate Professor in **Seethalakshmi Ramaswami College (aided Section Computer Science)** from November 1990 – till date
[27 years] . .
- **Total number of Research papers presented (29) and published in National and International Seminar Proceedings and National/International Journals: 32.Scopus Indexed: (3 author Indexed) + (6 Journal indexed). Indexed in Google scholar:9**

Guest Lectures Delivered

- Served as a **Resource Person** Computer Awareness Program- for Students of **Kamakoti Vidyalaya (ICSE) School**1986-2005.
- Served as a **Resource Person Computer Awareness Program**- for Staff of S.R.College, November 1997.
- Delivered a lecture “**Oracle for Commerce Students**” Commerce Department S.R.College, August 1998.
- Delivered a lecture on “**IT profile in European countries**”, Department of Physics, June 2004.
- Delivered a lecture on “**Information Technology - a Historical perspective**”, Department of History, June 2004.
- Delivered a lecture on “**Object Oriented Programming**”, Department of Physics June 2009.
- Delivered a lecture on “**Neuro Computing**”, Department of Mathematics, and Holy Cross College November 2004.
- Conducted **Faculty Development Program in Computer Science** for **Kamakoti Vidyalaya School Teachers**-2010-11.
- Conducted **Faculty Development Program in Computer Science** for **teachers of Savithri Vidysala Higher Secondary School** 2010-11.
- Conducted **Faculty Development Program for Non –Teaching staff of S.R.College office** 2010-11.
- Conducted a Workshop on “**Facing Interviews**” for **MCA students** of S.R.College- January 2012.
- Conducted two workshops on “**Computational Skills in Event Management**” for **Event Management students** S.R.College-2011-12.

Research Papers Presented in National and International Conferences:29

1. Dr.R.Jamuna , **National Seminar on “Data Security”, Computer Viruses, Worms & Vaccines, National Seminar**, CSI, BHEL, Computer Society of India, 1990, BHEL.
2. 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.
3. Dr.R.Jamuna, **National Seminar** on cyber feast, presented “**e-technologies a boon for happy mankind**”, C S Association SRC, 12.2.2004, SRC.
4. 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.
5. Dr.R.Jamuna, **National Seminar** on” **Computer algorithms in the analysis of large databases**”, FATIMA COLLEGE, MADURAI, 12.3.04.
6. 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**
7. 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**
8. Dr.R.Jamuna,” **Data Mining Techniques Applied In Medical Diagnosis**”, **International Conference**, Lyons, France, July, 04.BY WEB, Lyons, France, July, 04.
9. 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**
10. Dr.R.Jamuna, **National Seminar** presented a paper on.”**DATA MINING**”, Navarasam Arts & Science College, Archdale, February, 2005.
11. Dr.R.Jamuna, **National Seminar**, **WIRELESS APPLICATION PROTOCOL**, Navarasam Arts & Science College, Archalur, February, 2005.
12. Dr.R.Jamuna, **National Seminar “Telemedicine & Ann Based Technologies**”, Jayaram College of Engineering, Trichy, 22.9.06.
13. Dr.R.Jamuna, **International Seminar**, **TELEMEDICINE**, DS COLLEGE, PERAMBALUR, 1,09,2006.
14. Dr.R.Jamuna, **STATE LEVEL SEMINAR** presented a paper on “**Ann Based Knowledge Engineering in medical diagnostics**”, SIGC-CSI COLLEGE TRICHY, 14.10,2006.
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, 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.
17. 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.
18. Dr.R.Jamuna, **International Seminar, "MASK MODE RADIO GRAPHY IN IMAGE PROCESSING"**, SEEC-KINGSTON UNIVERSITY SPONSORED, BHC, TRICHY, 4.11.2009.
19. Dr.R.Jamuna, **International Seminar**, presented a paper on "**Cluster analysis- data mining techniques applied in cosmology**", Dept. Of Chemistry, SRC.14.11.2011.
20. Dr.R.Jamuna, **International Seminar**, presented a paper on "**Computer Applications In Cosmology**," Dept. Of Chemistry, SRC.14.11.2011.
21. Dr.R.Jamuna, **National Seminar**, presented a paper on "**Data Mining Techniques Applied To Epigraphy**", DEPT OF HISTORY, 20.09.2011.
22. Dr.R.Jamuna, **National Seminar**, presented a paper on," **Electrical pollution and impact on health**", DEPT OF ECONOMICS, 23.09.2011.
23. Dr.R.Jamuna, **National Seminar**, presented a paper on,"**Computer Equipments And Environmental Pollution**, DEPT OF ECONOMICS, 23.09.2011.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.

Research Papers Published in International Journals/Proceedings

1. Dr.R.Jamuna , **National Seminar on “Data Security”, Computer Viruses, Worms & Vaccines, National Seminar**, CSI, BHEL, Computer Society of India, 1990, BHEL.
2. 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.
3. Dr.R.Jamuna, **National Seminar** on cyber feast, presented “**e-technologies a boon for happy mankind**”, C S Association SRC, 12.2.2004, SRC.
4. Dr.R.Jamuna, Dr.K, Meena “**Data Mining by Logistic Regression Techniques in Pima Indian Diabetes Database** “, **International BIO SCIENCE RESEARCH BULLETIN**, Volume 22, JULY – DEC 2006, PAGE73-78, ISSN 0970-0889.
5. 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.
6. 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**
7. 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**
8. Dr.R.Jamuna, “**Data Mining Techniques Applied In Medical Diagnosis**”, **International Conference**, Lyons, France, JULY, 04.BY WEB, Lyons, France, July, 04.
9. 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**
10. 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.
11. Dr.R.Jamuna “**Wireless Java in Medical Applications**”, IJASC JOURNAL, SRC, Volume 1:Oct 04-Mar 05,page 30.

12. 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.
13. 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.
14. Dr.R.Jamuna, **International Seminar**, presented a paper on “**TELEMEDICINE-A Breakthrough in Medical Science**”, DS COLLEGE, PERAMBALUR, published in I seminar Proceedings,1,09,2006.
15. 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.
16. Dr.R.Jamuna, **INTERNATIONAL SEMINAR, “IMAGE ENHANCEMENT IN MASK MODE RADIO GRAPHY”**, SEEC-KINGSTON UNIVERSITY SPONSORED, BHC, SEEC, Proceedings 2009, ISBN: 978-81-907337-0-0 Volume-1, Page 186, and Dated4.11.2009.
17. 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.

Research Papers Published in International Journals/Proceedings

18. Dr.R.Jamuna, Dr.K, Meena, “**Computer Applications in Cosmology**”, ISBN: 978-81-909490-6-4, PAGE: 28, Dept of Chemistry, SRC, **International** Conference Proceedings, First Edition-2013.
19. 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, SRCSEPTEMBER 2012.
20. Dr.R.Jamuna, Dr.K, Meena, “**Electrical pollution and impact on health**”, ISBN: 978-81-909490-4-0, page58, VOLUME-1, **National** Conference Proceedings Dept of Economics, SRC, SEPTEMBER 2012.
21. 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.
22. Dr.R.Jamuna, Dr.K, Meena ,”**Role of yoga in health improvement** “, Volume-1,ISBN:978-81-921759-6-6, Page272 Page-272 **National** Conference Proceedings, Dept of Physical Education,2013
23. Dr.R.Jamuna,” **Vibro-Acoustic Application in Medicine**”, Page: 73, Proceedings, Dept of Music. **National Conference Proceedings** 2013 ISBN: 978-81-921759-5-9
24. Dr.R.Jamuna,”**Stimulation of Brain waves using Neuro Acoustics**”, Page: 67 **National** Conference Proceedings, Dept of Music ISBN: 978-81-921759-5-9.
25. 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.
26. Dr.R.Jamuna, “**Fuzzy Cluster Analysis Using Unsupervised Algorithm for the Diagnosis of Types of Diabetes**”, IJITE **International Journal**, IJITE JOURNAL, ISSN-2321-1776) page 1-9, March 2015, Impact Factor: - 3.570.

27. Dr.R.Jamuna,"**Data Mining Technique Applied to DNA Sequencing**", **IJITE INTERNATIONAL JOURNAL** Vol.04 Issue-03, (March, 2016) ISSN: 2321-1776, International Journal in IT and Engineering, Impact Factor 5.343.
28. 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**.
29. 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.
30. 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.
31. 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.
32. 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.

Papers Handled

- Computer Organization and Architecture
- Design of Unix Operating systems
- Shell Programming with Unix
- Software Engineering.
- System Software.
- Artificial Intelligence and Expert Systems.
- Digital Electronics.
- Operating systems
- Microprocessors and Microcontrollers
- Computer Networks.
- Management Information system.
- Neural Networks.
- Digital Image Processing
- Computer Graphics
- Compiler Design
- Web Designing
- Operating Systems
- Programming with C

- Programming with Java
- Data Structures and Algorithms.
- Database Management Systems.
- Programming with VB .NET
- Programming with VISUAL C#

Academic Support Activities

- Served as **Staff Secretary** in S.R.College-1995-1996.
- Served as **Union Vice President**, S.R.College 2001-2002.
- Served as a **Resource Person** Computer Awareness Program- for **Students of Kamakoti Vidyalaya (ICSE) School**.
- Conducted **Faculty Development Program** in Computer Science for Kamakoti Vidyalaya School Teachers-2010-11.
- Conducted **Faculty Development Program** in Computer Science for teachers of **Savithri Vidysala Higher Secondary School** 2010-11.
- Conducted **Faculty Development Program for Non –Teaching staff of S.R.College office** 2010-11.
- Conducted a Workshop on “**Facing Interviews**” for **MCA students** of S.R.College- January 2012.
- Conducted two workshops on “**Computational Skills for Event Management**” for Event Management students S.R.College-2011-12.
- Developed an **electronic –Feed back Monitoring System** for S.R.College students.
- Served as **Placement Director**, S.R.College, 2014-2016.
- Coordinator for supportive services, 2017.
- Delivered a lecture on “Facing the digital era” Teachers of **Kamakoti Vidyalaya School Teachers**-November, 2017.
- Delivered a lecture on “Android, IOS operating systems, Smart phone Architecture, Internet safety and e-wastages and cell phone based health hazards to teens” to the Teachers of **Savithri Vidysala Higher Secondary School, December 2017.**