

Name : Dr. B. ROSILINE JEETHA
Designation : Associate Professor and Head
Department : Computer Science with Artificial Intelligence
Qualification : M.C.A., M. Phil., Ph. D.
Experience : Teaching: 20 Years and Research: 17 Years
Area of Specialization(s) : Data Mining
Email ID : jeethasekar@gmail.com

Collegiate Teaching and Administrative Experience

Year	Institution	Designation	Remarks
2004-2007	Nirmala College for Women, Coimbatore	Assistant Professor, Computer Science	Teaching and Exam Cell
2007-2008	SNR SONS College, Coimbatore	Assistant Professor, Information Technology	Teaching and Course Coordinator
2008-2015	RVS College, Coimbatore	Associate Professor, MCA	Teaching, Placement and Exam Cell
2015-2024	Dr. N.G.P. Arts and Science College	Professor and Head, Computer Science	IQAC Coordinator (3 Years)

Degree	Branch	Year of Graduation
Ph.D.	Computer Science	2013
M. Phil.,	Computer Science	2008
M.C.A.,	Computer Applications	2004
B. Sc.,	Computer Science	1999

Patent Published

Title of the Patent	Agency	Status	Year
System & Method for Brain Tumour Detection & Analysis	Indian Patent Office	Published	2020

Book Published

Title of the Book	Publisher	Date of Publication
Opinion Mining and Social Web	CiiT Press, Coimbatore	March 2022

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certification	Teaching Pedagogy	NPTEL	2018

Consultancy

Nature of Consultancy	Client	Amount	Status
Training	Image Systems and Services, Coimbatore	Rs. 10,000	Completed
ERP Generation	i-Soft Solutions, Coimbatore	Rs. 1,00,000	Completed

Research Guidance

Programme	No. of Scholars	
	Awarded	Pursuing
Ph. D.	08	03
M. Phil.	16	-

Research Publications (Indexed)

1. **B. Rosiline Jeetha, Dr. M. Punithavalli**, A Survey on Classification Methods Based on Decision Tree Algorithms in Data Mining, International Journal of Data Mining and Knowledge Engineering, March 2011 Issue, ISSN 0974 – 9683
2. **B. Rosiline Jeetha, Dr. M. Punithavalli**, An Emerging Classification Method for Huge Dataset in Clustering, International Journal of Data Mining and Knowledge Engineering, August 2011 Issue, ISSN 0974 – 9683
3. **B. Rosiline Jeetha, Dr. M. Punithavalli**, An Efficient Proposed Methodology for Medical Data Set of K Means Algorithm in Data Mining, IJCSI International Journal of Computer Science Issues, September 2011 Issue, ISSN: 1694-0814
4. **Dr. B. Rosiline Jeetha**, Diagnosis of Ovarian Cancer using Artificial Intelligence, IJCTT International Journal of Computer Science Issues, October 2013 Issue, ISSN: 2231 – 2803
5. **Dr. B. Rosiline Jeetha**, Efficient Classification Method for Large Dataset by assigning the key Value in Clustering, International Journal of Computer Science and Mobile Computing, ISSN: 2320 - 088X, January 2014

6. **Dr. B. Rosiline Jeetha**, A Comparative Study on Hierarchical Clustering in Data Mining, IJESRT, ISSN: 2277-9655, February 2014
7. **T. T. Sherly, Dr. B. Rosiline Jeetha**, **International Journal of Scientific and Research Publications**, Volume 7, Issue 7, July 2017 367 ISSN 2250-3153, International Journal of Research and Science Publication (IJRSP) Volume 01//Issue 03//Sept-2016// Page No. – 135 to 13
8. **Krithika Renuka D & Rosiline Jeetha B**, “A Survey and Analysis of various Health-related knowledge mining Techniques in Social Media”, International Journal of Computer Applications, Volume 158 – Number 1. ISSN: 0975 – 8887, January 2017 (**UGC CARE LIST**)
9. **Priya N & Rosiline Jeetha B**, Energy Efficient Spectrum Sensing Routing Protocol (EESSRP) in Cognitive Radio Adhoc Network, **Advances in Wireless and Mobile Communications** with Vol.No10 (4), Page No: 539 – 550 year of publication 2017 published by Research India Publication.(UGC)
10. **Meera S & Rosiline Jeetha B**, “Survey on Swarm Search Feature Selection for Big Data Stream Mining”, International Journal of Computer Applications (0975 – 8887) Volume 158 – No 1, January 2017 (**UGC Care List**)
11. **Meera S & Rosiline Jeetha B**, “ Acceleration Artificial Bee Colony Optimization – Improved Transductive Support Vector Machine for Efficient Feature Selection Big Data Stream Mining”, International Journal of Advance Research in Dynamical & Control Systems, 01-Special Issue, April 2017 (**Scopus**)
12. **M. Kannan, Dr. B. Rosiline Jeetha**, ”Neighbor Node Discovery Mechanism based Delay Aware Routing Protocol (DARP-NND) for Cognitive Radio Ad Hoc Networks” in IEEE Digital Library in 2016.
13. **M. Kannan, Dr. B. Rosiline Jeetha**, “**Cognitive Radio Networks: A Survey**”, Proceedings of the National Conference on Computer Communication and Information Technology, organized by the Post Graduate and Research Department of Computer Science Dr. N.G.P. Arts and Science College, Coimbatore, 28th September 2016.
14. **P. Dinesh Kumar, Dr. B. Rosiline Jeetha**, “**Unaffected Serial Prophecy Based Filter Technique (USP-FT) For Noise Removal In Facial Expression Recognition Images**”, International Journal of Civil Engineering and Technology (IJCIET) Volume 8, Issue 4,

April 2017, pp. 497–506 ISSN Print: 0976-6308 and ISSN Online: 0976-6316 © IAEME
Publication Scopus Indexed

15. **P. Dinesh Kumar, Dr. B. Rosiline Jeetha**, A SURVEY ON FACIAL EXPRESSION RECOGNITION, International Journal of Computer Science and Engineering (IJCSE) ISSN(P): 2278-9960; ISSN(E): 2278-9979 Vol. 6, Issue 1, Dec - Jan 2017; 43-50 © IASET
16. **T. R. Anand, Dr. B. Rosiline Jeetha B**, A Survey on Techniques, Frameworks and Metrics in Regression Testing, International Journal of Computer Science & Engineering Technology (IJCSET), ISSN : 2229-3345 Vol. 7 No. 12 Dec 2016
17. **T. T. Sherly, Dr. B. Rosiline Jeetha B**, Cyberbullying Detection InTwitter Using Language Extraction Based Simplified Support Vector Machine (Ssvm) Classifier, *International Academy of Science, Engineering and Technology*, International Journal of Computer Science and Engineering(IJCSE) ISSN(P): 2278-9960; ISSN(E): 2278-9979 Vol. 6, Issue 3, Apr-May 2017; 21-30
© IASET
18. **Krithika Renuka D & Rosiline Jeetha B**, “Opinion Mining on Adverse Drug reactions in Social media using Machine Learning Techniques”, Journal of Advanced Research in Dynamical and Control Systems, Special Issue No – 13, ISSN: 1943-023X, September 2017 (SCOPUS)
19. **T. T. Sherly, Dr. B. Rosiline Jeetha**, Supervised Feature Selection Based Extreme Learning Machine (SFS-ELM) Classifier For Cyber Bullying Detection In Twitter, International Journal of Scientific and Research Publications, Volume 7, Issue 7, July 2017 367 ISSN 2250-3153
20. **Priya N & Rosiline Jeetha B**, A Novel Secure Energy Efficient Spectrum Sensing Transaction Model To Improve The Performance CRN Using Semi Machine Learning Techniques, **International Journal of Pure and Applied Mathematics** with Vol. No.119 (18), Page Nos. 1625-1638 year of publication 2017 published by Academic Publication. (SCOPUS)
21. **Meera S & Rosiline Jeetha B**, June 2018, "Acceleration Artificial Bee Colony Optimization-artificial Neural Network For Optimal Feature Selection Over Big Data”,

IEEE Digital Explore, Electronic ISBN: 978-1-5386-0814-2,: 1788- 1794, Impact Factor: 3.882.(IEEE)

22. **M. Kannan, Dr. B. Rosiline Jeetha, "A Supportive Multichannel MAC Protocol for Cognitive Radio Ad Hoc Networks"** published in International Journal of Innovations & Advancement in Computer Science(IJIACS) ISSN 2347 - 8616 ,Volume 6, Issue 11 November 2017.
23. **M. Kannan, Dr. B. Rosiline Jeetha "SAGRA: A Spectrum Aware Geographic Routing Algorithm Proposal for Multi-hop Cognitive Radio Networks"** Published in International Journal of Advance Engineering and Research Development (IJAERD) ISSN : 2348-4470 Volume 4, Issue 11 November 2017.
24. **P. Dinesh Kumar, Dr. B. Rosiline Jeetha**, Improved Edge Detection based Fast Face Detection Method using Enhanced Fourier Transform (IED-FFD) towards Facial Expression Recognition, International Journal of Engineering and Technology (IJET), ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024, DOI: 10.21817/ijet/2017/v9i6/170906141 Vol 9 No 6 Dec 2017-Jan 2018
25. **P. Dinesh Kumar, Dr. B. Rosiline Jeetha**, SURVEY ON FACIAL EXPRESSION ANALYSIS AND RECOGNITION, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 04 Issue: 11 | Nov -2017 www.irjet.net p-ISSN: 2395-0072
26. **Krithika Renuka D & Rosiline Jeetha B**, “Dynamic and Reliable Intelligent Data Mining Technique on Social media Drug related posts”, IEEE Digital Explore, **Electronic ISBN:** 978-1-5386-0814-2, June 2018 (IEEE)
27. **R. Kowsalya and Dr. B. Rosiline Jeetha**, “A Survey on Distributed Clustering Techniques for Wireless Sensor Networks”, International Journal of Computer Sciences and Engineering, Vol.-7, Issue-3, March 2019.
28. **Meera S & Rosiline Jeetha B**, “Enhanced Particle Swarm Optimization with Genetic Algorithm and Modified Artificial Neural Network for Efficient Feature Selection in Big Data Stream Mining”(Springer)
29. **Meera S & Rosiline Jeetha B**, “Missing value aware optimal feature selection method for efficient big data mining process”, International Journal of Recent Technology and Engineering (SCOPUS), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019

30. **M. Kannan, Dr. B. Rosiline Jeetha, "An Efficient Distributed Channel Allocation Algorithm for spectrum sensing to avoid interference in Cognitive Radio Networks"**published in International Journal of Pure and Applied Mathematics(**IJPAM-Scopus indexed**)ISSN: 1314-3395,Volume 119 No. 18 2018, 1639-1655, September 2018.
31. **M. Kannan, Dr. B. Rosiline Jeetha, "An Effective Fuzzy Antcolony Optimization Based Cognitive Routing Algorithm for Improvement of Efficient Routing In Cognitive Radio Networks"** published in International Journal of Scientific Research in Computer Science Applications and Management Studies(**IJSRCSAMS**)ISSN 2319 – 1953, Volume 7, Issue 4 July 2018.
32. **T. R. Anand, Dr. B. Rosiline Jeetha B,** Initializing the Software Regression Test Pool based on the Functional Dependency and Test Case Dependency, International Journal of Pure and Applied Mathematics Volume 118 No. 9 2018, 123-136 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) url: <http://www.ijpam.eu> Special Issue
33. **Krithika Renuka D & Rosiline Jeetha B,** “Relevancy and Similarity Aware Drug Comment Classification Framework on Social Media Drug Posts” June 2019 (**SPRINGER**)
34. **Krithika Renuka D & Rosiline Jeetha B,** “Drug Suggestion Concerned Automated Drug Knowledge Ontology Construction Framework” , International journal of Pharmaceutical Research, ISSN: 1674-0440, July 2019 (**SCOPUS INDEXED**)
35. **R. Kowsalya and Dr. B. Rosiline Jeetha,** “CCHS: An Improved Centralized Cluster Head Selection in Wireless Sensor Networks”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 11, 06-Special Issue, 2019.
36. **R. Kowsalya and Dr. B. Rosiline Jeetha,** “Cluster Based Data Aggregation Routing Using Genetic Algorithm In Wireless Sensor Network”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-6, March 2020
37. **P. Dinesh Kumar, Dr. B. Rosiline Jeetha,** Efficient Feature Extraction and Sparse Reduction Using Enhanced Bat Optimization with Support Vector Machine Algorithm for Facial Expression Recognition, Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 06-Special Issue, 2019, ISSN 1943-023X, Accepted: 20 June 2019

38. **R. Kowsalya and Dr. B. Rosiline Jeetha**, “Cluster Based Data-Aggregation Using Lightweight Cryptographic Algorithm for Wireless Sensor Networks” Submitted for Material Science, Elsevier Publication, <http://doi.org/10.1016/j.matpr.2021.01.163>
39. **R. Kowsalya and Dr. B. Rosiline Jeetha**, “A Novel Hybrid Approach on Secure Data Transmission in Wireless Sensor Networks” Submitted in ICTACT Journal on Communication Technology, International Journal of Future Generation Communication and Networking Vol. 13, No. 4, (2020), pp. 3926 -3931, ISSN: 2233 -7857 IJFGCN Copyright ©2020 SERSC
40. **R. Kowsalya and Dr. B. Rosiline Jeetha**, “Secure and Efficient Fire-fly Data Routing Algorithm for Wireless Sensor Networks in IoT Monitoring Systems”, Published under license by IOP Publishing Ltd, Journal of Physics: Conference Series, Volume 1917, National Virtual Conference on Advanced Informatics, Electronics and Vision 2021 (NCAIEV'21) 23 April 2021, Pollachi, India.
41. **T. T. Sherly, Dr. B. Rosiline Jeetha, Enhanced Cuckoo Search Optimization and Hybrid Firefly Artificial Neural Network Algorithm for Cyber bullying Detection on Twitter Dataset**, International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307 (www.ijsrcseit.com), <https://doi.org/10.32628/CSEIT217486>
42. **V. Vinitha, Dr. B. Rosiline Jeetha, Detecting Intrusions using ML Algorithms: A Review**, Samdarshi, ISSN: 2581-3986, Vol 16 Issue 4 (September 2023)
43. **V. Vinitha, Dr. B. Rosiline Jeetha, Comparative Analysis for Detecting Malicious packets in LAN Network using Bagging and Boosting Techniques**, Tuijin Jishu/Journal of Propulsion Technology, ISSN: 1001-4055, Vol. 44 No. 3 (2023)

International Journal Reviewer

- **Peer Reviewer** in **Springer** Sponsored International Conference on Informatics Engineering and Information Science **ICIEIS**, Malaysia, November 2011, ISSN: 1865 – 0929, ISBN: 978 – 3 – 642 - 25452 - 9
- **IJARCSMS** - International Journal of Advance Research in Computer Science and Management Studies ISSN (Online): 2321 - 7782, ISSN (Print): 2347 – 1778

- Technical Committee member in **IAJIT (The International Arab Journal of Information Technology)**

Presentations in Conference

- **B Rosiline Jeetha**, Dr. M. Punithavalli, *An Emerging Analysis of KDD*, National Conference on Advanced Computing, DJ Academy for Managerial Excellence, Coimbatore, 19th to 20th September 2008
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *An Overview of Data Mining Algorithms*, Evolutionary Computing, Kodaikanal Christian College, Kodaikanal, 14th September 2009
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *A Novel Approach on Efficient Classification Method for Large Dataset using Clustering in Data Mining*, Recent Trends and Advances in the Field of Information Technology, Karpagam University, Coimbatore, 6th September 2011
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *“Data Mining Techniques and Approaches”*, International Conference on Computing Intelligence, Hindustan College of Arts and Science, Coimbatore
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *“Efficient Classification Method for Huge Dataset By Using K Means In Clustering”*, International Conference, RVS College of Engineering and Technology, Coimbatore
- **B Rosiline Jeetha**, Dr. M. Punithavalli, **DB Scan Algorithms: An Overview**, Future Information Technology, RVS College of Arts and Science, Coimbatore, 07th January 2010
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *An Emerging Role of Automatic Data and visualization in KDD*, Information and Communication Engineering, CMS College of Engineering, Namakkal, 26th March 2010
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *An Interdisciplinary Approach of KDD in Data Mining*, International Conference in Managing Next Generation Computer Applications, Karunya University, Coimbatore, 5th to 6th December 2008
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *Data Mining Techniques and Algorithms*, International Conference in Recent Trends in Animation Technology, PSGR Krishnammal College for Women, Coimbatore, 10th January 2011

- **B Rosiline Jeetha**, Dr. M. Punithavalli, *An Analysis of Visualization in KDD*, Computer Communication and Informatics, RVS College of Arts and Science, 11th February 2011
- **B Rosiline Jeetha**, Dr. M. Punithavalli, *A Novel Approach on Visualization in Knowledge Discovery*, Communication and Signal Processing, Dr. SNS Rajalakshmi College of Arts and Science, Coimbatore, 30th July 2011

Academic Distinctions

- Board of Studies member for Computer Science in Nirmala College for Women, Coimbatore
- Board of Studies member for Computer Science in Kongu Arts and Science College, Erode
- Chairman - Board of Studies of Computer Science Department of Dr. N.G.P. Arts and Science College, Coimbatore
- Organizing Secretary of the International conference ICRTCT 2K18 and ICRTCT 2K19, Dr. N.G.P. Arts and science College on 8th and 9th of August 2018.
- Convener of the National Conference NCCCIT 2K16 held at Dr. N.G.P. Arts and science College on 28th September 2016
- Served as resource persons at various colleges for the seminar
- Served as reviewer for the International Conference held at Malaysia 2012
- Coordinated various State / National level Technical events and Symposiums
- Coordinated Faculty Development Programmes
- Coordinated Seminars and workshops
- Delivered Guest Lectures at various colleges in both UG and PG
- Received guide ship for guiding M. Phil., (CS) under Bharathiar University
- Question Paper setter and external evaluator for various Institutions and Universities

Awards / Honors

- Received Most Active Reviewer Award for the Journal “The International Arab Journal of Information Technology (IAJIT)” for the year 2016
- Faculty Excellence Award for the year 2009 - 2010
- Faculty Excellence Award for the year 2010 – 2011
- Faculty Excellence Citation for the year 2011 – 2012

- Faculty Excellence Citation for the year 2012 – 2013
- Faculty Excellence Citation for the year 2013 – 2014
- Real Heroes Award in Education from Youth Foundation in the year 2017
- Best Teacher Award from Lions Club, Coimbatore in the year 2019
- Research Excellence Award from InRes, Kerala in the year June 2021

(Dr. B. Rosiline Jeetha)