

Dr. R.Jayamala
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➤ **Research Area:**

Cloud Computing, Data Mining, Soft Computing, Scheduling, Machine Learning

➤ **Educational Qualifications:**

Qualification	Department	Year (From -To)	Percentage	Class
Ph.D	ICE	APRIL 2022	-	
M.E.	COMPUTER SIENCE AND ENGINEERING	JUN. 2008	73	FC - First Class
B.E.	COMPUTER SIENCE AND ENGINEERING	APR. 2006	78	FC - First Class
HSC / PUC	BIOLOGY, MATHEMATICS	MAR. 2002	84.5	
SSLC	MATRICULATION	MAR. 2000	79	

➤ **Experience:**

Name of Company / Institutions	Designation of Post	From	To	Relived on	Experience in Year
UNIVERSITY COLLEGE OF ENGINEERING(BIT CAMPUS)- TIRUCHIRAPPALLI PROFESSOR	REGULAR ASSISTANT PROFESSOR (Sr.Gr.)	24-11-2014	TILL DATE		8 YEARS
UNIVERSITY COLLEGE OF ENGINEERING(BIT CAMPUS)- TIRUCHIRAPPALLI PROFESSOR	REGULAR ASSISTANT PROFESSOR	01-10-2011	23.11.2014		3YEARS
UNIVERSITY COLLEGE OF ENGINEERING(BIT CAMPUS)- TIRUCHIRAPPALLI	REGULAR LECTURER	23-11-2009	30-09-2011		1Y 10M 7D

UNIVERSITY COLLEGE OF ENGINEERING(BIT CAMPUS)- TIRUCHIRAPPALLI	CONTRACT LECTURER	01-09-2008	22-11-2009		1Y 2M 22D
KARPAGA VINAYAGA COLLEGE OF ENGINEERING AND TECHNOLOGY,MA DHURANTHAGAM	REGULAR LECTURER	07-07-2008	30-08-2008		1M 24D

➤ **Additional / Academic Responsibilities at University:**

1. Department of Placement Coordinator
2. Department Library In-charge
3. Class Coordinator (2009-2013 and 2014-2018)
4. Tancet - Certification Verification officer (2014)
5. National Career Service Coordinator(2019)
6. First Year Induction Coordinator (2019)
7. Department Internal Test Consultation Coordinator (2019)
8. Department Internal Test Coordinator (2020-2021)
9. First Year Induction Coordinator (2022)
10. Department Purchasing and Maintenance –Member(2022)
11. Class Coordinator(2021-2024)

➤ **Awards and Appreciation**

1. Got appreciation certificate on 2020 for given 100 percentage results in CP5292- Internet of Things for the academic year 2018-2019.

➤ **Professional Activities:**

1. Life Member of Computer Society of India(00173466)
2. Life Member of Operational Research(1226/J/16/ML)
3. Life Member of Indian Society of Technical Education (LM113065)

➤ **Key note Speaker/Judge**

1. Judge for Two days “National Level Technical SymposiumFENIX 2K18” 1st and 2nd March, 2018
2. Key note Speaker for Two days Hands-on workshop on Machine Learning using Python”, on 04.03.2020 and 05.03.2020 in Department of CSE, BIT Campus, Anna University, Tiruchirappalli- 620 024

3. Mentor for COVID -19 National Bio informatics Online Hackathon from 29 April 2020 to 03 August 2020

➤ **Reviewer to Journal**

1. Journal of Supercomputing(Springer)
2. Journal of Intelligent and Fuzzy Systems(IOS Press)

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended: (Within India)**

1. FDP programme on “Programming with Distributed Middleware’s” on 31-05-2010 to 13-06-2010 conducted by Department of Information Technology in MisrimalNavajeeMunoth Jain Engineering College Chennai-600097 Sponsored by AICTE.
2. Workshop On "Cloud Computing" from 27-08-2011 to 27-08-2011 Conducted by Computer Society of India, Education Directorate, Chennai 600113
3. Workshop on “Soft Computing Techniques: Data Mining Perspective" 20-10-2012 to 20-10-2012 organized by Department of Computer Science conducted by University College Of Engineering, Bit Campus, Tiruchirappalli- 62024
4. Workshop On "Cloud Computing and its Research Directions" 22-11-2012 to 23-11-2012 Organized by Department Of Information Technology in Sathyabama University, Chennai
5. FPD on "Advances in Service Oriented Architecture and Web Services issues and Challenges", from 03-12-2012 to 07-12-2012 sponsored by TEQIP organized by Department Of Computer Science in Pondicherry Engineering College, Puducherry- 605014
6. Workshop on "Web Services" 03-01-2013 to 04-01-2013 organized by Department Of Computer Applications sponsored by CSIR in University College Of Engineering, BIT Campus, Tiruchirappalli-620024
7. National Seminar on “Intellectual Property Rights And Biotechnology” 22-02-2013 to 22-02- 2013 organized by Department of Biotechnology conducted in Anna University, BIT Campus, Tiruchirappalli
8. FDP on “Cloud Computing” 06-05-2013 to 19-05-2013 organized by Department Of Computer Science Engineering and Information Technology conducted by Government College of Technology Coimbatore AICTE sponsored programme
9. FDP on "EC2202- Data Structures Using OOPS" from 15-07-2013 to 19-07-2013 organized by Centre for Faculty Development TEQIP sponsored conducted in Anna University, Chennai
10. FPD on "Network Technologies and Security", from 04-05-2015 to 19-05-2015 sponsored by TEQIP II organized by Department Of Computer Science and Engineering in Bharathidasan Institute of Technology, Anna University, Tiruchirappalli- 620 024

11. Two Days International workshop on "Big Data Visualization and Graph Database", from 24.02.2016 and 25.02.2016, organized by Department of Computer Application at Anna University, BIT Campus, Tiruchirappalli - 620 024
12. FDP on "Trends in Grid, Cloud and High Performance Computing", from 20-06-2016 to 03-07- 2016 sponsored by TEQIP II organized by Department Of Information Technology in Bharathidasan Institute of Technology, Anna University, Tiruchirappalli- 620 024
13. Hands-on Workshop on "Python Programming" 28-08-2017 and 29-08-2017 organized by Centre for Academic Courses, Anna University, Chennai and Sponsored by Centre for Faculty Development, Anna University Chennai and Conducted in University College Of Engineering, BIT Campus, Tiruchirappalli-620024
14. One Day workshop on "Scientific Programming with Python" organized by Department of Computer Science Engineering on 31.10.2017 and conducted in University College of Engineering, BIT Campus, Anna University, Tiruchirappalli.
15. Attended 12 week courses FDP(AICTEApproved) on NPTEL - Massive Open Online Courses (MOOC) with NIT's, IISC and AICTE from July to October 2018 with title of "Internet of Things".
16. Attended 08 week courses FDP(AICTEApproved) on NPTEL - Massive Open Online Courses (MOOC) with NIT's, IISC and AICTE from July to October 2018 with title of "Database management Systems".
17. Faculty Development Programme(FDP) on "Robotics and AI" organized by PDPM IIIT, Jabalpur in association with UCE, BIT Campus, Trichy from 24 th to 28 th June 2019 at BIT Campus, Trichy.
18. Faculty Development Programme(FDP) on "Deep Learning and Application" from 09.12.19 to 13.12.19 sponsored by E & ICT Academy An initiative of Ministry of Electronics & IT, Government of India" and conducted by University College of Engineering, BIT Campus, Tiruchirappalli.
19. Attended Online National Workshop on Basics of Documentation using Latex on 24,25,29 & 30 April 2020 organized by the Department of Mathematics, Stella Maris College(Autonomous), Chennai.
20. Completed "E-Learning program on Machine Learning" on 05.05.2020 conducted by Tata Steel, Capability Development.
21. Participated on "Machine Learning Quiz" in B.S.Abdur Rahman Crescent Institute Science and Technology, Vandalur, Chennai, School of Computer, Information and Mathematical Science organized by Department of Computer Applications on 9th May 2020.
22. Completed online Faculty Program on NBA organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai on 10.05.2020(Certificate ID:T3IWHA-CE003116)
23. Participated on online seminar on " Research Methodology and its Tools" in B.S.Abdur Rahman Crescent Institute Science and Technology, Vandalur, Chennai, organized by Department of Computer Applications on 12.05.2020.
24. Participated on online Faculty Development Programme on "Trending Technologies" in B.S.Abdur Rahman Crescent Institute Science and Technology, Vandalur, Chennai,

- organized by Department of Computer Applications in association with Computer Society of India, from 14.05.2020 to 16.05.2020.
25. Participated on “Hands on FDP: Data Science using Python” organized by Department of Information Technology of Jeppiaar Institute of Technology on 18.05.2020 to 22.05.2020.
 26. Participated on live webinar on “Demystifying AI Algorithms” in B.S.Abdur Rahman Crescent Institute Science and Technology, Vandalur, Chennai, organized by Department of Computer Applications ,School of Computer, Information and Mathematical Science on 26.05.2020.
 27. Participated on one day “Hands on Webinar on Cloud Security Tools” organized by UG & PG Department of Computer Applications, Fathima College, Maduari on 28.05.2020.
 28. Participated in the Two Days Faculty Development Programme on “ Research Methodology” organized by Ramanujan club of Mathematics in association with IQAC, Jeppiaar Institute of Technology, Sriperumpudur from 01.06.2020 to 02.06.2020 through online Pedagogy.
 29. Completed National Level Quiz on NBA organized by Padmabhushan Vasantdada Patil Pratishthan’s College of Engineering, Mumbai, on 17.06.2020(Certificate ID: BSWISM-CE004560)
 30. Completed National Level Quiz on NACC organized by Padmabhushan Vasantdada Patil Pratishthan’s College of Engineering, Mumbai, on 17.06.2020(Certificate ID: OQBUQC-CE008282)
 31. Participated on Webinar on “Computational Biology using Machine Learning” in B.S.Abdur Rahman Crescent Institute Science and Technology, Vandalur, Chennai, organized by Department of Computer Applications on 22.06.2020.
 32. Participated in Industrial Training in BSNL on Communication and Networking Technologies from 08.06.2020 to 26.06.2020
 33. Faculty Development Programme (FDP) on “Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB” from 13.07.2020 to 24.07.2020 sponsored by E & ICT Academy An initiative of Ministry of Electronics & IT, Government of India” and conducted by University College of Engineering, BIT Campus, Tiruchirappalli.
 34. Attended five days online Faculty Development programme on “LATEX”, organized by university college of engineering, BIT Campus, Trichirappalli in association with spoken tutorial, IIT Bombay from 10.08.2020 to 14.08.2020.
 35. Faculty Development Programme (FDP) on Student Induction UHV online Workshop” Incorporating Universal Human Values in Education” from 31.01.2022 to 04.02.2022 conducted by All India Council for Technical Education, New Delhi.

➤ **CONFERENCES/WORKSHOPS/SEMINAR ORGANISED**

1. Conducted National Level Symposium “PRAYUDDHA’13”, on 13.04.2013 organized by Department of Information Technology, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli-620 024

2. Conducted One week TEQIP II Sponsored Faculty Development Programme on “Paradigms of Computing”, Organized by Department of Computer Science and Engineering on 02.12.2013 to 08.12.2013 at Anna University, Bharathidasan Institute of Technology, Tiruchirappalli-620 024
3. Conducted Two days workshop on “_ Python Language with Case Study-WPL’15”, on 08.08.2015 and 09.08.2015 in Department of IT/CSE, BIT Campus, Anna University, Tiruchirappalli- 620 024
4. Conducted National Level Symposium “PRAYUDDHA’18”, on 09.03.2018 and 10.03.2018 organized by Department of Information Technology, Bharathidasan Institute of Technology, Anna University, Tiruchirappalli-620 024
5. Conducted “Two days Hands-on workshop on Machine Learning using Python”, on 04.03.2020 and 05.03.2020 in Department of CSE, BIT Campus, Anna University, Tiruchirappalli- 620 024

➤ **Publications :**

a. Books:NIL

b. International Journals:

1. R.Jayamala, V.Eswari, K.Marimuthu Published a paper titled " Multi Factor Authentication Protocols for a Secured Wsn", in International Journal of Applied Information Systems (IJAIS) on May 2012,Volume 2– No.2, 35-39, ISSN : 2249-086
2. S. Dhanalakshmi,R. Jayamala , " Energy efficient communication between Transgression nodes on manet", International Journal of Computer science and Information Technology(I J C S I T) on Dec 2012,vol 2, pp.139-144, ISSN: 0974-8385
3. M.ilaiyaraja, P.BalaMurugan, R.Jayamala , " Securing Cloud Data using Cryptography with Alert System", International Journal of Engineering Research & Technology (IJERT) on Vol. 3 Issue 3, pg.98-101, March - 2014, ISSN: 2278-0181
4. V.Sivarajani, R.Jayamala, " Optimization of workload prediction based on map reduce frame work in a cloud system", International Journal of Research in Engineering and Technology(IJRET) on Volume 3, Issue 3; Pg: 264-266, March 2014, e-ISSN: 2319-1163, p-ISSN: 2321-7308
5. Bavithra S and Jayamala R, " Optimal Clustering Qos History Record Based Service Composition For Big Data Applications", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) on Volume 21 Issue 1 – APRIL 2016, ISSN: 0976-1353
6. K.Soundarya and R. Jayamala, " Multi-Objective Optimal Resource Allocation Using Improved ACO", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) on Volume 21 Issue 1,pg:80-83 – APRIL 2016, ISSN: 0976-1353
7. Pandi selvi Gunasekaran and Mrs. R. Jayamala, “Non Linear Technique for Predicting Energy Consumption” International Journal of Applied Engineering Research, Volume 14, Number 15, 2019, ISSN 0973-4562.

8. R.Jayamala, A.Valarmathi ,R.Gayana, “An Analysis on Secured Live Migration in Cloud Environment”, International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST), Volume.6, Issue. 8, Pages.63-67, 2020, Publisher.ISSN (ONLINE):2456-5717.
9. R Jayamala, A Valarmathi, “An enhanced decentralized virtual machine migration approach for energy-aware cloud data centers”, Intelligent Automation And Soft Computing, Volume.27, Issue.2,Pages.347-358,2021 (**Annexure I**)

c. National Journals:NIL

➤ **Conferences**

a. International Conferences:

1. L.T.Thai and R.Jayamala Published a paper titled “En-Route Web Caching in Trustworthy Structured Peer-To-Peer Networks”, in IJCA Proceedings on International Conference on VLSI, Communications and Instrumentation (ICVCI) (13):17–20, 2011
2. V.Sakthivelmuugan, R.Jayamala, " Efficient task scheduling and execution in cloud Computing”, in OSIET journal of Computer Science Engineering on May 2012, ISSN : 2319-5967
3. R.Jayamala, Alaghupriya , " A Multiobjective Task Scheduling in Multicloud using enhanced GA approach”, International Conference on Science and Technology on 30-31 March – 2016
4. Presented Paper titled “An Investigation of Scheduling algorithm and their metrics in Cloud Computing”_in IEEE Sponsored International Conference on Computation of Power, Energy, Information and Communication on 22 and 23 March 2017 (**Scopus Index**).

b. National Conferences:

1. Published a paper titled "Enhanced Security Scheme using two factor user authentication protocol for real time wireless network”, in National Conference on Recent Trends in IT on 6th January 2012 at SSM College of Engineering, Komarapalayam.