

RESUME

Dr.R.JAYAVADIVEL

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Summary:

Total Teaching Experience: 13 Years			
Ph.D Scholars – Guiding	02	Patent - Published	03
International Journals	37	Journal Reviewer	09
International Conference	15	Text book - Published	03
National Conference	05	Book Chapters - Published	05
Non- Formal Courses Organized	09	No. of Awards received	04
Seminar / Workshops Organized	12	Membership in Professional Societies	05
Workshop / Seminar attended - 35			

Academic Profile:

Examination Passed	College/ University	Year	% of Mark Obtained	Class
Ph.D/CSE	Anna University, Chennai	2018	-	-
M.E/CSE	Paavai Engineering College/Anna University of Technology, Coimbatore	2010	9.24 CGPA	1st Class with Distinction
B.Tech/IT	Paavai Engineering College/Anna University, Chennai	2008	77%	1st Class
HSC	Government Higher Secondary School	2004	68	-

Professional Experience:

- ❖ Working as an Associate Professor in the Department of Computer Science and Engineering for **Presidency University**, Bangalore from 15.12.2021 to till date.
- ❖ Worked as an Associate Professor in the Department of Computer Science and Engineering for **Lovely Professional University**, Jalandhar, Punjab from 04.01.2021 to 10.12.2021 **(1 Year)**.
- ❖ Worked as an Associate Professor in the Department of Computer Science and Engineering for **Vivekanandha College of Engineering for Women (Autonomous)** 26.12.2018 to 05.01.2021 **(2 Years)**
- ❖ Worked as an Assistant Professor in the Department of Information Technology for Paavai **Engineering College (Autonomous)** from 02.06.2010 to 24.12.2018 **(8 Years & 6 Months)**.

Responsibilities:

- ❖ College - MHRD - Institutions Innovation Cell (IIC) Coordinator
- ❖ College - MSME Coordinator
- ❖ College – Internship Coordinator
- ❖ College - Memorandum of Understanding (MoU) Coordinator
- ❖ Head - Vivekanandha Innovation & Startup Centre (VISC)

Subjects Taught:

Cloud Computing, Mobile Computing, Computer Networks, Object Oriented Programming using C++, , Graphics and Multimedia, Data Structures, Operating Systems, Software Engineering, Software Testing, Object Oriented Analysis and Design, Computer Programming, TCP/IP Design and Implementation, High speed Networks, Total Quality Management, Enterprise Resource Planning and Business Intelligence.

Text Book publication:

1. Published text book titled **“Software Engineering”**, ISBN: 9789390614615 Publisher: Charulatha Publications, Chennai, India.
2. Published text book titled **“Mobile Communications: A Beginners” Guide”**, ISBN: 9788194996415, Publisher: Royal Book publishing – International, India. (Partner of Eleyon Publishers, UK)
3. Published text book titled **“Cyber Security in OSI Layers: a Beginners,,Guide”**. ISBN: 9781636694184, Publisher: Notion Press, New Delhi, India.

Book Chapters:

1. Book chapter titled **“Women Safety and Monitoring System using Geo-Fence”** – Accepted in edited book Advances in SIoT, CRC Press Tylor & Francis.
2. Book chapter titled **“Text Sentiment Analysis for Intelligent Transportation Systems by Using Web-Based Traffic Data: A Descriptive Study”** published in edited book titled Recent Advances in Mathematical Research and Computer Science – Vol 10, PP-11-26, March 2022. Publisher: BP International Publications, New Delhi.
DoI- <https://doi.org/10.9734/bpi/ramrcs/v10/3526E>
3. Book chapter titled **“A Novel Approach for Predicting Disease in Plant Using Hybrid Deep Convolutional Neural Network”** published in edited book titled Current Approaches in Science and Technology Research, Vol 8, PP-96-112, June 2021. Publisher: BP International Publications, New Delhi.
Doi- <https://doi.org/10.9734/bpi/castr/v8/10624D>
4. Book chapter titled **“Machine Learning: Survey on Finding Duplicate Records Using Semantic Record Analysis”** published in edited book titled "Advances in Multidisciplinary and Current Research (Volume-10)". Publisher: Weser books, Germany.
5. Book chapter titled **“User Location Management System in Mobile Communication Networks”** published in edited book titled "Current Trends in Multidisciplinary Research (Volume - 6)". Publisher: Rubicon Publications, England.

Patent – Filed & Published

1. Patent Filed “A Novel Method of Malicious Detection by Coactive Neuro-Fuzzy Inference System in P2P Computing Network” – Application Number-202141008276.
(National Patent)
2. Published patent titled “Automated Food Freshness Detection using Feature Deep Learning”- Application Number - 2020100953.
(International Patent - Australia)
3. Published patent titled “Failure Prediction and Prevention Manufacturing Industry Equipments and Process Using Digital Twins Modeling” – Application Number – 202041017824. **(National Patent)**

Fund Received:

1. Received fund Rs.10,000 for conducting one day workshop on “Big data analytics” from The Institution of Engineers on 12.02.2017.
2. Received fund Rs.1,17,000 for conducting one week ISTE Sponsored Workshop on “Big data analytics & Security” at Paavai Engineering College from May 9th to 14th 2016.

Journal Publications:

1. S.Selvakanmani, Ashreetha B G. Naga Rama Devi Shubhrojit Misra **Jayavadivel R**, Suresh Babu Perli “Deep learning approach to solve image retrieval issues associated with IOT sensors” - Measurement: Sensors **[Elsevier – Scopus Indexed – IF - 2.785]**
<https://doi.org/10.1016/j.measen.2022.100458>
2. Amit Singhal , Sudeep Varshney, T. A. Mohanaprakash, **R. Jayavaivel**, K. Deepti, Pundru Chandra Shaker Reddy and Molla Bayih Mulat “Minimization of Latency Using Multitask Scheduling in Industrial Autonomous Systems” - Wireless Communications and Mobile Computing Volume 2022, Article ID 1671829, 10 pages. **[SCI Indexed- Wiley Online Library – IF – 2.336]** **<https://doi.org/10.1155/2022/1671829>**
3. Anil Kumar, Uriti Sri Venkatesh, **R.Jayavadivel**, Rekha B.H, N. Saranya “Immunologically efficient way of developing Nicotine vaccines in synthetic pharmaceuticals” - Bulletin of Environment, Pharmacology and Life Sciences, Vol 11 [5]April 2022 : 153-158. **[Web of Science]**
4. Loheswaran Karuppusamy, **Jayavadivel Ravi**, Murali Dabbu & Srinivasan Lakshmanan “Chronological salp swarm algorithm based deep belief network for intrusion detection

in cloud using fuzzy entropy” International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, ISSN: 1099-1204 – Published online.

[SCI – Indexed - Wiley Online Library – IF – 1.296]

DoI: <https://doi.org/10.1002/jnm.2948>.

5. Badotra S, **Jayavadi vel R**, Kumar P, “A Proposed Model for Cheque Truncation System” - 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2021, Noida – (Scopus Indexed).
6. S.Mahalakshmi , Saiyed Faiyaz Waris ,**Dr.R.Jayavadi vel** , Vaishali Chandrakant Shelar, Purshottam J. Assudani “The Internet Of Things On Neural Networks Provides Intelligent Healthcare Management For Diabetic Patients” International Journal of Aquatic Science ISSN: 2008-8019 Vol 12, Issue 02, 2021. **(WOS Indexed)**
7. **Dr.R.Jayavadi vel**, “Deep Learning Based Remote Sensing Technique for Environmental Parameter Retrieval and Data Fusion from Physical Models” Arabian Journal of Geosciences. **(Springer SCI) – Impact Factor: 1.985**
Published online - <https://doi.org/10.1007/s12517-021-07577-3>.
8. **Renugadevi A.S, Ananthi B, Dr.Jayavadi vel R, Pradeep S, AravindM, Dharanesh S.**“Classification of Custard Apple Leaves Using Deep Convolutional Networks”, Turkish Journal of Computer and Mathematics Education (TURCOMAT) – Volume 12, Issue 6, 2021. **[Scopus Indexed]**
9. **Dr.R.Jayavadi vel & T. Viswanath Kani**, “A Survey on Developing an Electric and Network Public Transport Smart Bus Using Internet of Things”, International Journal of Multidisciplinary Educational Research, Volume 10, Issue 4(4), 2021. **[UGC Approved]**.
10. **Dr.R.Jayavadi vel**, “A Novel Approach: Web Hosted Face Mask Detection at Covid Times” International Journal of Multidisciplinary Educational Research, Volume 10, Issue 4(4), 2021. **[UGC Approved]**.
11. **Dr.R.Jayavadi vel**, “Improved Resource Management And Utilization Based on a Fog-Cloud Computing System With IoT Incorporated With Classifier Systems” Microprocessor and Microsystems **[SCI Indexed]. Impact Factor: 1.16**
Published online - <https://doi.org/10.1016/j.micpro.2020.103815>.
12. **Dr.R.Jayavadi vel**, Dr.P.Prabaharan “Investigation on Automated Surveillance Monitoring for Human Identification and Recognition using Face and Iris Biometric” Journal of Ambient Intelligence & Humanized Computing (AIHC), **[SCI Indexed]**.

Impact Factor: 4.594. Published online - <https://doi.org/10.1007/s12652-020-02787-1>.

13. R. Vasanthi, **R. Jayavadivel**, K. Prasad, J. Vellingiri, G. Akilarasu, S. Sudhakar, P. M. Balasubramaniam, “A novel user interaction middleware component system for ubiquitous soft computing environment by using fuzzy agent computing system” Journal of Ambient Intelligence and Humanized Computing – Springer **[SCI Indexed]**.

Impact Factor: 4.594

Published online - <https://doi.org/10.1007/s12652-020-01893-4>

14. **Dr.R.Jayavadivel**, Dr.S.Jayachitra, Dr.P.Prabaharan “Task Scheduling In Cloud Computing Using Ica And Crow Search Algorithms” Bioscience Biotechnology Research Communications, ISSN: 2321-4007, Volume 13, Issue 6, pp-164-172. **[Web of Science]**

15. R. Rohini, **R.Jayavadivel**, Sowmiya K “Security Enhancement of Fragmentation and Replication with Division Based Cloud Data Storage” Journal of Xi'an University of Architecture & Technology, ISSN No: 1006-7930, Volume XII, Issue V, 2020, pp-657-661.

[Scopus Indexed]

16. P. Abinaya, **R. Jayavadivel** & R.Rohini “Automated Normalized Solution for Finding Duplicate Records from Multiple Data Sources” International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-9 Issue-1, May 2020, pp-834-837. **[Scopus Indexed]**

17. B. Prabhu Shankar , **R. Jayavadivel** “Agricultural Water Irrigation using Decision Support System and IoT ”International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-5, January 2020, pp – 1131-1134.

[Scopus Indexed].

18. B.Prabhu Shankar, **Dr.R.Jayavadivel**, T.Viswanath Kani “A Novel Approach For Detect Counterfeit Product Using Color QR Code” International Journal Of Scientific & Technology Research Volume 9, Issue 01, January 2020 ISSN 2277-8616, pp-2057 -2062.

[Scopus Indexed].

19. G. Vennila, Dr. D. Arivazhagan, **Dr. R. Jayavadivel** “An Investigation of IOT Based Smart Agriculture” International Journal of Scientific & Technology Research Volume 9, Issue 01, January 2020 ISSN 2277-8616, pp- 2054-2056. **[Scopus Indexed]**.

20. G. Vennila, Dr. D. Arivazhagan, **Dr. R. Jayavadivel** “An Analysis of Smart Car Parking Management System” International Journal Of Scientific & Technology Research Volume 9, Issue 01, January 2020 ISSN 2277-8616, pp- 1892-1895. **[Scopus Indexed]**.

21. B.Prabhu Shankar & **Dr.R.Jayavadivel** "A Survey Of Counterfeit Product Detection" International Journal Of Scientific & Technology Research Volume 8, Issue 12, December 2019 ISSN 2277-8616, pp-2598 – 2562. [**Scopus Indexed**].
22. Dr. P. Prabakaran, **Dr. R. Jayavadivel**, Dr. L. Malathi & M. Ramesh "Energy Efficient Object Tracking Using Adaptive Node Deployment and Evolutionary Algorithm Based Node Localization" International Journal Of Scientific & Technology Research Volume 8, Issue 11, November 2019, ISSN 2277-8616, pp- 1960 – 1969. [**Scopus Indexed**].
23. **Dr.R.Jayavadivel** and Dr.P.Prabakaran "Investigation on Resource Allocation Mechanisms for Improving Quality of Experience Over Video Streaming Networks" International Journal of Multidisciplinary Educational Research, Volume 8, Issue 10(2), October 2019,ISSN : 2277 – 7881, pp – 35-46. [**UGC Approved**]
24. **G. Vennila, Dr. D. Arivazhagan & Dr. R.Jayavadivel** "Experimental Analysis Of RPL Routing Protocol In IOT" International Journal Of Scientific & Technology Research VOLUME 8, ISSUE 10, OCTOBER 2019 ISSN 2277-8616 pp- 3466 – 3670. [**Scopus Indexed**].
25. P. Abinaya and **R. Jayavadivel**, "Normalization Techniques for Identifying Duplicate Records from Multiple Data Sources" ICTACT Journal On Soft Computing, October 2019, Volume: 10, Issue: 01, pp- 1994-1998.
26. **R.Jayavadivel**, M.Monika, S.Indumathi & M.Priyanka "An Innovative Approach For Improving Quality Of Service Over Cyber Physical Social System", International Journal of Modern Trends in Engineering and Science (IJMTES), ISSN: 2348-3121, Issue 5, Vol.4, pp-61-65, April 2018.
27. **R.Jayavadivel**, B.Prabhu Shankar & S.Rajesh "Investigation of Pattern Matcher Algorithm for Exact Fingerprint Matching System", International Journal for Science and Advance Research in Technology (IJSART), ISSN: 2395 – 1052, Vol.3, Issue 10, pp 442-447, October 2017. [**UGC Approved Journal**].
28. **R.Jayavadivel**, B.Prabhu Shankar & S.Rajesh "A Novel Approach: An Advanced Security Mechanism for Sending Messages using Steganography", International Journal of Trend in Scientific Research and Development (IJTSRD), ISSN: 2456-6470, vol. 1, Issue 6, pp 829-832, October 2017.
29. **R.Jayavadivel** & Dr.J.Sundararajan, "Improved Quality of Service (QoS) in LTE Networks Based Video Streaming Using PID Controller and Exhaustive Search

Mechanism”, International Journal of Control Theory and Applications. ISSN: 0974-5572, vol. 10, Issue 12, pp 271-280, March 2017. **[Scopus Indexed]**

30. **R.Jayavadivel** & Dr.J.Sundararajan, “Energy-Efficient QoE-Aware Video Adaptation and Resource Allocation for Video Streaming”, Middle East Journal of Scientific Research.ISSN: 1990-9233, Volume 25, Issue 2, February 2017. **[Scopus Indexed]**
31. **R.Jayavadivel** & Dr.J.Sundararajan, “QoE- Resource Allocation in Wireless Networks for Video Streaming Services”, International Journal of Printing, Packages and Allied Sciences. ISSN: 2320-4387, Volume 4, Issue 3, December 2016.**(Annexure I)**
32. **R.Jayavadivel** & Dr.J.Sundararajan, “Delay Tolerant Spatial Distribution of Content Replication in Wireless Networks for Efficient Video Streaming”, American-Eurasian Journal of Scientific Research. ISSN 1818-6785 Volume 3, Issue 5, August 2016. **[Scopus Indexed]**
33. **R.Jayavadivel**, B.Prabhu Shankar & S.Rajesh “Statistical Image Quality Assessment for Fake Biometric Detection Based on SVM Classification: Application to Iris, and Face Recognition”, International Journal of Innovative Research Science, Engineering and Technology, ISSN 2319 – 8753, Volume 7, July 2015.
34. **R.Jayavadivel** & Dr.J.Sundararajan, “A Hybrid Technique with Buffer Management Scheme for Interactive Multimedia Applications (Cdn-P2p-Bm)”, International Journal of Applied Engineering and Research. ISSN 0973-4562, PP 23453 – 23458 Volume 10, Number 32, May 2015. **(Annexure II)**
35. **R.Jayavadivel**, Dr.J.Sundararajan & G.Arulselvam “Dynamic Allocation of Circular Buffer with Circular Linked List Technique for Real-Time multimedia applications across slow speed links”, International Journal of Innovative Research Science, Engineering and Technology, ISSN 2319 – 8753, Volume 4, May 2015.
36. **R.Jayavadivel**, B.Prabhu Shankar & S.Saravanakumar“ Automatic Irrigation Control System for Efficient Use of Water Resources by Using Android Mobile”, International Journal of Contemporary Research in Computer Science and Technology, ISSN 2395 – 5325, Volume 1 Issue 2, April 2015.
37. **R.Jayavadivel** “Profile Based Location Management System for Personal Communication Service Networks”, International Journal of Computer Sciences, System Engineering and Information Technology, ISSN: 0974-5807 Vol.5 No.2 2012.

Journal /Conference Reviewer / Editor:

- ❖ Journal of Ambient Intelligence and Humanized Computing – Springer.
- ❖ Journal of Computer Science - Science Publications.
- ❖ Reviewer for IEEE 9th International Conference on Reliability, Infocom Technologies and Optimization is scheduled on 3rd – 4th September 2021.
- ❖ International Journal of Information Retrieval Research (IJIRR), ISSN: 2155-6377, USA.
- ❖ Guest editor: Special Issue: Emerging Intelligent Automation and Optimization Methods in Applied Science and Computational Engineering Mathematics - Bioscience Biotechnology Research Communications, BBRC – ISSN : 0974 – 6455.
- ❖ International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE). ISSN: 2454-4248.
- ❖ International Journal for Science and Advance Research in Technology (IJSART). ISSN [Online]: 2395-1052.
- ❖ International Journal of Research and Development in Technology (IJRTD). ISSN: 2349 - 3585.
- ❖ International Journal of Advance Research, Ideas and Innovations in Technology (IJARIT). ISSN: 2454-132X.

Professional Membership:

1. Indian Society for Technical Education (ISTE) - 73944
2. International Association of Engineers (IAENG) - 161440
3. International Society for Research and Development (ISRDR) - F3140900978
4. The Asia Society of Researcher - R218113001
5. Institute for Engineering Research and Publication (IFERP) - PMIN37298654

Awards and Achievements:

S.No.	Title of the Award	Award Details
1	Infosys – Faculty Excellence Award	Bronze Award
2	Infosys – Faculty Excellence Award	Silver Award
3	Infosys – Faculty Excellence Award	Silver Award
4	Infosys – Faculty Excellence Award	Bronze Award

Seminars/Conference/Symposium/ Workshop/ SDP/FDP organized:

S. No.	Name of the Seminars/ Conference /Symposium / Workshop/ SDP/FDP	Name of the Sponsors	Number of candidates participated	Year
1	National Level Technical Symposium	Vivekanandha College of Engineering for Women	400	March 2020
2	International Workshop on Cyber Security - Data Leak Prevention	Consortium for Indian Information Technology for Education	100	March 2020
3	International Seminar on Cyber Security and Ethical Hacking	Consortium for Indian Information Technology for Education	100	February 2019
4	G Suite for Education	Paavai Engineering College	35	September 2018
5	Artificial Intelligence	Paavai Engineering College	240	March 2018
6	The Internet of Things Application Development	ISTE	240	January 2018
7	Association Inaugurations	Paavai Engineering College	1250	August 2017
8	DocumentDB workshop	Paavai Engineering College	240	Feb 2017
9	Agile Technologies	Paavai Engineering College	240	September 2016
10	Introduction to Design and Analysis of Algorithms	IIT-B	40	May 2015
11	Introduction to PHP	Paavai Engineering College	75	September 2015

Personal Details:

Name : JAYAVADIVEL R
Gender : Male
DOB : 03.02.1987
Marital Status : Married
Nationality : Indian
Fathers Name : Ravi A
Linguistic Ability : English and Tamil
Present Address : 70-V-Nagar-5,
Rasipuram (Tk), Namakkal (Dt),Tamilnadu, India.
Pin: 637 408.

Declaration:

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Date:**Dr.R.JAYAVADIVEL****Place:**