

Dr A. JAYALAKSHMI

Professor & Head

Dept. of Computer Science and Engineering

Prasad V. Potluri Siddhartha Institute of Technology

Kanuru, Vijayawada

Andhra Pradesh, India

+91 9490743501

hodcse@pvpsiddhartha.ac.in

jayalakshmiaravapalli27@gmail.com

Education:

Ph.D. (CSE): Acharya Nagarjuna University, Guntur, 2012.

M.Tech (CSE): Jawaharlal Nehru Technological University, Kakinada, 2011
First Class with Distinction.

M.S (Software Systems): Birla Institute of Technology and Science,
Pilani, 2002 With First class

B.Tech (Civil): Jawaharlal Nehru Technological University, Kakinada Campus
1997, With First Class

Academic Experience: (25 Years)**Professor & Head:**

- Dept. of Computer Science and Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh
2019- Till date.
- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kanchikacherla, Vijayawada, Andhra Pradesh
2015 -2019.

Professor:

- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kachikacherla, Vijayawada, Andhra Pradesh
2012 - 2015.

Associate Professor:

- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kanchikacherla, Vijayawada, Andhra Pradesh
2011 - 2012.
- Dept. of Computer Science and Engineering, DRK College of Engineering and Technology, Hyderabad, Andhra Pradesh
2008 - 2009.
- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kachikacherla, Vijayawada, Andhra Pradesh
2007 - 2008.

Assistant Professor:

- Dept. of Computer Science and Engineering, Koneru Lakshmaiah College of Engineering, Vaddeswaram, Andhra Pradesh, 2005 - 2007.

Lecturer:

- Dept. of Computer Applications, Montessori Mahila Kalasala, Vijayawada, Andhra Pradesh, 1999-2005
-

Fundus Received (Total amount: Rs. 10,60,000/-)

- Received an amount of **Rs. 6,10,000/-** from **AICTE** to organize Training Programs for SC/ST students in Competitive examinations under **AICTE Prerana Scheme** Reference Number:72-21/RIFD/ Prerana/ Policy-1/2018- 19/72
 - Received an amount of **Rs. 2,50,000/-** from **AICTE** to organize Faculty Development Program on "Foundations and Applications on Real-Time Analytics and Security Challenges" Reference Number: 34-56/164/RIFD/STTP/Policy-1/2017-18 dated 04.01.2019
 - Received an amount of **Rs. 1,00,000/-**(Rupees One Lakh) from **DST-SERB** to organize A National Level Workshop on "Network Analysis using NS3 Tool for Design, Testing and Implementation", Sep-2015, Reference Number: SB/SS/605/15-16.
 - Received an amount of **Rs. 1,00,000/-**(Rupees One Lakh) from **ISTE** to organize A National Level Short Term Training Program on "Advanced Computer Architecture ", 22/04/2013 to 27/04/2013. Reference Number: ISTE-SRM/STTP-Computer Science/C - 10 / 2012-13
-

Professional Contributions:

- **Governing Body Member**, Prasad V. Potluri Siddhartha Institute of Technology
- **Academic Council Member**, Prasad V. Potluri Siddhartha Institute of Technology
- **Member (Academia), Department Academic Audit Committee (DAAC), Computer Science & Business Systems, R.V.R. & J.C. College of Engineering (Autonomous), Guntur** for two Academic years 2023-24 and 2024-25.
- Received an **award of appreciation** in the year 2017 for **outstanding contribution** towards Organizational growth from the management of DVR & Dr HS MIC College of Technology, Kanchikacherla, Andhra Pradesh.

- Single Point of Contact(**SPOC**) for **SWAYAM NPTEL local chapter** established at DVR &Dr HS MIC College of Technology **from** June 2018 to April 2019.
 - **Institute Coordinator** of DVR &Dr HS MIC College of Technology for "**Student Enhancement Program**" (STEP) (AY: 2012-13,2013-14 & 2014-15) to empower the students with IT and Employability skills in collaboration with IIIT, Hyderabad.
-

Certification Courses completed/Mentorship/FDPs attended

- Successfully completed Coursera course "AI for Everyone "organized by DeepLearning.AI.
 - Successfully completed 8 weeks NPTEL online certification course "**Introduction to Machine Learning**" and obtained **Elite Grade**
 - Successfully completed 12 weeks NPTEL online certification course "**Problem Solving Through Programming in C**" and obtained **Elite Grade**
 - Recognized as **Mentor** for the NPTEL online certification course "**Problem Solving Through Programming in C**".
 - Attended more than 25 Faculty Development Programs
-

Patent:

1. A. Jaya Lakshmi, et al., Speech Emotion Recognition: Speech Emotion Recognition Using Deep Learning, Application Number:202041033146, Publication Number: 36/2020, Publication Date:04/09/2020, India
-

Publications:

1. A. Jaya Lakshmi, et al., "Swarm Based Optimization for Image Dehazing from Noise Filtering Perspective" International Information and Engineering Technology Association, Ingenierie des systemes d'Information, DOI: <https://doi.org/10.18280/isi.270416> , Vol. 27 , Issue. 4, 2022, Pages. 653-658, (**Indexed in SCopus**).
2. A. Jaya Lakshmi, et al., "Contrast Enhancement of Images Using Meta-Heuristic Algorithm" International Information and Engineering Technology Association, Traitement du Signal, ISSN: 0765-0019, Vol. 38, Issue. 5, October, 2021, Pages. 1345-1351, (**Indexed in SCI**).

3. A. Jaya Lakshmi, et al., "An Efficient Framework for Resource Optimization and Task Scheduling in Cloud Computing" *Annals of R.S.C.B.*, ISSN: 1583-6258, Vol. 25, Issue 5, 2021, Pages. 104-114
(Indexed in Scopus)
4. A. Jaya Lakshmi, et al., "Resource Optimization and Task Scheduling in Cloud Computing" *International Journal of Future Generation Communication and Networking.*, ISSN:2233-7857, June 2020,
(Indexed in SCI)
5. A. Jaya Lakshmi, et al., "Automatic alert generation in a surveillance systems for smart city environment using deep learning algorithm" *Evolutionary Intelligence*, Springer, ISSN:1864-5917, January-2020,
(Indexed in Scopus)
6. A. Jaya Lakshmi, et al., "Resource Optimization Using Cloud Scheduling" *International Journal of Innovative Technology and Exploring Engineering.*, ISSN: 2278-3075, Volume-8 Issue-6S2, April 2019 **(Indexed in Scopus)**
7. A. Jaya Lakshmi, et al., "Implementation Of Resource Optimization Approaches For Workflow Scheduling" *Journal of Advanced Research in Dynamical and Control systems.*, ISSN: 1943-023X , Issue-13 Special Issue, 2018. **(Indexed in Scopus)**
8. A. Jaya Lakshmi, et al., "Improvement of Energetic state For Resource Power Reduction in Mobile Adhoc Networks" *Journal of Engineering and Applied Sciences.*, ISSN: 1816-949X , Volume 13, Issue 9, 2018.
(Indexed in Scopus)
9. A. Jaya Lakshmi, et al., "An Efficient Resource allocation strategy based on Improved Particle Swarm Optimization (IPSO)", *Pak. J. Biotechnol.* Vol. 13 special issue II, 2016. **(Indexed in Scopus)**
10. A. Jaya Lakshmi, et al., "Enhanced Green Architecture for the cloud.", *International journal of Computer Engineering and Applications*, ISSN: 2321-3469, Vol 9, Issue 12, 2015.
11. A. Jaya Lakshmi, et al., "Improved Cluster Based Image Partitioning to Support Reversible Data Hiding", *International journal of Computer Engineering and Applications*, ISSN: 2321-3469, Vol 9, Issue 10, 2015.
12. A. Jaya Lakshmi, et al., "Resource Allocation Methods in Cloud Computing: Survey", *International journal on Emerging Trends In Technology*, ISSN: 2350 – 0808, 2015.
13. A. Jaya Lakshmi, et al., "FeatureExtraction and Peformance Assessment of Post Processing Techniques in Finger print Images", *International Journal of Applied Engineering Research*, ISSN: 0973 - 4562, Vol 9, Issue 24, 2014
14. A. Jaya Lakshmi, et al., "Nymble Counter Measures for Failure Tolerant Anonymizing Networks.", *International journal of Engineering Research and Applications*, ISSN: 2248- 9622, 2013.
15. A. Jaya Lakshmi, et al., "Dynamic P2P Streaming Using Delaunay Edges" *International journal of Engineering Research and Applications*, ISSN: 2248- 9622, 2013
16. A. Jaya Lakshmi, et al., "Performance Assessment of Different Classification Techniques for Intrusion Detection", *IOSR Journal of Computer Engineering*, ISSN: 2278- 0661, 2012.

17. A. Jaya Lakshmi, et al., "Optimized and Secured Educlouds by Implementing Virtualization" International Journal of Electronics and Computer Science Engineering, ISSN:2277- 1956, 2012.
 18. A. Jaya Lakshmi, et al., "Ensuring QOS in WiMAX Networks" International Journal of Mobile & Adhoc Network, ISSN:282- 285, 2012.
 19. A. Jaya Lakshmi, et al., "PKI Key Generation Based on Multimodal Biometrics" International Journal of Computers and Communications, ISSN:2319- 8869, 2012.
 20. A. Jaya Lakshmi, et al., "PKI Key Generation Based on Multimodal Biometrics Fusion of Fingerprint and IRIS" International journal of Engineering Science & Advanced Technology, ISSN: 2250- 3676, 2012.
 21. A. Jaya Lakshmi, et al., "Design of Secured Key Generation Algorithm using Fingerprint based Biometric Modality " IOSR Journal of Engineering , ISSN: 2250- 3021 , 2012.
 22. A. Jaya Lakshmi, et al., "Multimodal Biometrics in Identity Management" International journal of Information Technology and Knowledge Management , 2012
 23. A. Jaya Lakshmi, et al., "Video Similarity Match by Bipartite Graph Transformation and Matching", Global Journal of Engineering and Applied Sciences, ISSN:2249- 2631 , 2011.
-

International Conferences:

1. A. Jayalakshmi, et al., "Proficient Energy Hole prevention scheduling in wireless sensor networks ", IEEE International Conference on Communication and Electronics Systems, 2017, **DOI: [10.1109/CESYS.2017.8321171](https://doi.org/10.1109/CESYS.2017.8321171) (Publisher :IEEE)**.
 2. A. Jayalakshmi, et al., "A Study on Cloud based Internet of Things: Cloud IoT ", Global Conference on Communication Technology, 2015 **DOI: [10.1109/GCCT.2015.7342624](https://doi.org/10.1109/GCCT.2015.7342624) (Publisher :IEEE)**.
 3. A. Jayalakshmi, et al., "Optimized Feature Selection with k-Means Clustered Triangle SVM for Intrusion Detection ", IEEE- Third International Conference on Advanced Computing , 2011, **DOI: [10.1109/ICoAC.2011.6165213](https://doi.org/10.1109/ICoAC.2011.6165213) (Publisher :IEEE)**.
 4. A. Jayalakshmi, et al., "Quality of Service in MAC for WLANs ", Second International Conference on Embedded Systems, Mobile Communication and Computing , 2007.
-

Areas of interests:

- Data Mining
 - Cloud Computing
 - Big data Analytics
 - Machine Learning
 - Information Security
-

Professional Societies Membership:

- Computer Society of India (CSI) - Life Membership no: I1503515
 - Indian Society for Technical Education (ISTE)
Life Membership no: LM58031
 - The Institution of Engineers(India), IEI
Membership No: M-149889-9
 - Indian Society of Systems for Science & Engineering, (ISSE)
Life Membership no: LM03538
-

Subjects Taught:

- Universal Human Values
 - Software Engineering
 - Computer Networks
 - Cryptography & Network security
 - Data Warehousing & Data Mining
 - Formal Languages & Automata Theory
 - Database Management Systems
 - Distributed Databases
 - Distributed Computing
 - Human Computer Interaction
 - Programming With C
-

Personal Details :

- Name: A Jayalakshmi
 - Father Name: A Venkateswara Rao
 - Date of Birth: 27-06-1975
 - Marital Status: Married
-

Date: 31-01-2026

(Dr A Jayalakshmi)

