

# Faculty Profile



**Dr. Karthi Govindharaju, M. Tech., Ph.D**  
HoD – AI&DS

## **HIGHLIGHTS:**

- Number of Journal Publications:14
- H-Index:4
- Project Funding Received:
- Patents Published:3
- Patents Granted:2

## **PROFESSIONAL LINKS:**

- Scopus ID: 35737439600
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=35737439600>
- Google Scholar ID:  
<https://scholar.google.com/citations?user=B6p2MCUAAAAJ&hl=en>
- Anna University Faculty ID: 2122541
- AICTE Faculty ID:1461416677
- Anna University Supervisor ID:
- LinkedIn: [www.linkedin.com/in/dr-karthi-govindharaju-96a4b052](http://www.linkedin.com/in/dr-karthi-govindharaju-96a4b052)

## **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 17
- Industrial Experience:

## **AREA OF SPECIALIZATION:**

- Data Analytics
- Cyber Security
- Artificial Intelligence
- Image Processing

## **PATENTS PUBLISHED/GRANTED:**

- AI EMPOWERED SOLAR VEHICLE

- MARINE BOUNDARY ALERT SYSTEM FOR FISHERMEN
- IOT BASED CANCER DETECTION DEVICE

### **COURSES CERTIFIED:**

- AWS Certified Data Science Engineer
- NPTEL Python for Data Science
- Coursera Data Visualization

### **ACHIEVEMENTS AND AWARDS:**

- Reviewer for SCI and SCOPUS journals

### **CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:**

- Advancing airway management for ventilation optimization in critical healthcare with cloud computing and deep learning, Indonesian Journal of Electrical Engineering and Computer Science, 2025. (SCOPUS)
- Comparative Analysis of ResNet based Plant Disease Detection for Agricultural Applications, International Conference on Computational Intelligence for Green and Sustainable Technologies, 2024. (SCOPUS)
- LSTM-based Vocalization Analysis for Identification and Classification of Avian Acoustics, International Conference on Computational Intelligence for Green and Sustainable Technologies, 2024. (SCOPUS)
- Forecasting and Analysis of IoT Data by Employing Long Short-Term Memory (LSTM) Networks, IEEE International Conference on Emerging Research in Computational Science, 2023. (SCOPUS)
- Modified-Distributed Energy-Efficient Clustering (M-DEEC) for Heterogeneous Wireless Sensor Network, IEEE International Conference on Emerging Research in Computational Science, 2023. (SCOPUS)
- Deep Learning for Accurate Chest Disease Classification: A CNN-Based Approach for Lung Cancer Subtypes and Normal Cells, International Conference on System, Computation, Automation and Networking, 2023. (SCOPUS)
- Case Study: Energy Optimization In Smart Home and Buildings, Hybrid Intelligent Optimization Approaches for Smart Energy: A Practical Approach, Wiley -Scrivener Publishing, 2022. (SCOPUS)
- A hybrid learning approach for the stage-wise classification and prediction of COVID-19 X-ray images”, Expert Systems – MDPI, December 2021. (SCI)
- Efficient Network Resource Allocation Technique for Dynamic IoT Environment using Reinforcement Learning and CAT Optimization. Design engineering, 2021. (SCOPUS)
- Multi-biometric Template Protection using Hybrid Technique, International Journal of Engineering and Technology, vol. 7, no. 4, pp. 2609-2613, 2018 (SCOPUS)

- Multimodal Biometric Authentication using Multiple matching Algorithm, In book: Cognitive Informatics and Soft Computing, Advances in Intelligent Systems and Computing, vol, 768, pp. 361-369, Springer, 2018. (SCOPUS)
- Enhanced VSDL Hash Algorithm for Data Integrity and Protection," In book: Data Management, Analytics and Innovation, Advances in Intelligent Systems and Computing , vol. 839, pp. 527-539, Springer, 2018. (SCOPUS)
- Combining Physiological and Behavioural Biometrics for Authentication, International Journal of Innovations and Advancement in Computer Science, vol. 6, no. 11, pp. 688-695, November 2017.
- Securing Biometric Template using a Hybrid Scheme, in Proceedings of the International Conference on Information and Analytics, ACM, August 2016. (SCOPUS)
- Hybrid Multimodal Template Protection Technique using Fuzzy Extractor and Random Projection, "International Journal of Research in Computer & Communication Technology, pp. 381-386, vol. 2, no. 7, 2013.
- Enhanced collusion-Resistant Fingerprinting for Multimedia," International Journal on Information Processing, pp. 57-64, vol. 3, no. 1, 2009.
- Authorship Protection for Textual Documents, IEEE International Conference on Advances in Computing, Control, & Telecommunication Technologies, pp. 742-745, December 2009. (SCOPUS)

**PROFESSIONAL MEMBERSHIPS:**

- CSI
- ISTE

**OTHER DETAILS (If any):**

- XXXXX
- YYYYYY
- ZZZZZZ.
- CCCCC