

Dr. Ivy Prathap



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OBJECTIVE

To contribute actively to the academic community by fostering innovative research, inspiring and mentoring students, and frequently increasing my knowledge in the field.

EDUCATION

- **Ph. D. (Computer Science)** (2008-15)
Anna University, Chennai, India
Thesis Title: “**Digital Watermarking Techniques for Authentication and Copyright Protection**”
Supervisor: **Prof. (Dr.) R. Anitha**
Department of Applied Mathematics & Computational Sciences,
PSG College of Technology, Coimbatore.
- **M.Sc. Computer Science** (2002-04)
Mahatma Gandhi University, Kottayam.

TEACHING EXPERIENCE

- **Working as Assistant Professor (on contract) at Institute for Integrated Programmes and Research in Basic Sciences (IIRBS), Mahatma Gandhi University, Kottayam from August 2023 onwards.**
- Worked as Assistant Professor (on contract) at School of Artificial Intelligence & Robotics, Mahatma Gandhi University, Kottayam from November 2021 to August 2023.
- Worked as Assistant Professor (Guest) at School of Computer Sciences, Mahatma

Gandhi University, Kottayam from May 2018 to November 2021.

- Worked as Assistant Professor at Sahyajyothi Arts & Science College, Kumily from July 2017 to March 2018.
- Worked as Head of the Department and Assistant Professor (guest) at College of Applied Sciences, Kuttikkanam from June 2015 to March 2017.

AREAS OF SPECIALIZATION

- Artificial Intelligence
- Deep Learning
- Reinforcement Learning
- Digital watermarking

LIST OF PUBLICATIONS

1. Rethika T, **Ivy Prathap**, Anitha R & Raghavan S V, ‘**A Novel Approach to Watermark Text Documents Based on Eigen Values**’, IEEE International Conference on Network and Service Security 2009 (N2S’09), Paris, pp. 1- 5, June 2009.
2. **Ivy Prathap**, Natarajan V & Anitha R, ‘**Hybrid robust watermarking for color images**’, Computers & Electrical Engineering, vol.40, pp. 920–930, February 2014. (Impact Factor: 4.152). <https://doi.org/10.1016/j.compeleceng.2014.01.006>
3. **Ivy Prathap** & Anitha R, ‘**Robust and blind watermarking scheme for three-dimensional anaglyph images**’, Computers & Electrical Engineering, 40th Commemorative Special Issue, no. 1 pp.51-58, January 2014. (Impact Factor: 4.152). <https://doi.org/10.1016/j.compeleceng.2013.11.005>

BOOK CHAPTERS

- **Ivy Prathap** & Anitha, R. (2014), ‘**Watermark Detection in Spatial and Transform Domains Based on Tree Structured Wavelet Transform**’, Mauri, J.L., Thampi, S.M., Rawat, D.B., Jin, D. (eds) Security in Computing and Communications. SSCC 2014. Communications in Computer and Information Science, vol 467. Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-662-44966-0_22

REVIEWERSHIPS FOR INTERNATIONAL JOURNALS

- **Computers & Electrical Engineering (Impact Factor: 4.152)**
- **Journal of Computational Methods in Sciences and Engineering (Impact Factor: 0.5)**
- **Earthquake Engineering and Engineering Vibration (Impact Factor: 2.8)**
- **IET Image Processing (Impact Factor: 2.73)**