

## Faculty Profile



**Name:** Dr. S PRASANTH VAIDYA

**Designation:** Senior Assistant Professor

**Teaching Areas:** Image Processing, Natural Language Processing, Cryptography & Network Security, Deep Learning, Human Computer Interaction, Software Engineering, Cloud Computing, Artificial Intelligence.

**Research Interests:** Digital Watermarking, Image Processing, Machine Learning, Artificial Intelligence, Pattern Recognition, Internet of Things.

### Education:

- Post-Doc: DS, IMT Atlantique University, Brest, France-2024
- PhD: CSE, VIT University, Vellore -2018
- M. Tech: IT, GITAM University, Visakhapatnam-2014
- B. Tech: CSE, DMSSVH College of Engineering, Machilipatnam -2012

### Research / Selected Publications

1. Prasant Vaidya S., Rajesh N. V. P. S. Kandala, P. V. S. S. R. Chandra Mouli, Hatim G. Zaini, Amar Jaffar, Prabhu Paramasivam & Sherif S. M. Ghoneim, A robust fragile watermarking approach for image tampering detection and restoration utilizing hybrid transforms, Scientific Reports (2025), 15, Article number: 17645 (**Impact Factor: 3.8**)
2. Prasant Vaidya S., Fingerprint-based robust medical image watermarking in hybrid transform, The Visual Computer (2023), Volume 39(06), pp. 2245-2260. (**Impact Factor: 3.5**)
3. Prasant Vaidya S, and Akansha Tyagi. "Advancements in hemotype identification: Fingerprint analysis for blood group determination." Franklin Open (2025): 100429. (**SCOPUS**)
4. Prasant Vaidya S, A. Tyagi, T. D. Devi, P. Devika and P. M, "Gesture-Driven Home Automation System- using Smart Gloves," 2025 2nd International Conference on Computational Intelligence and Computing Applications (ICCICA), Samalkha, India, 2025, pp. 329-334.

**Journal Publications: 17**

**Conference Publications :21**

**Book Chapter Publications: 2**

**Patent Publications: 4**