

## Profile



**Name :** Dr. C. HARRIET LINDA

**Designation :** ASSISTANT PROFESSOR

**Qualification :** ME., PhD.

She had Passed **\_B.E.\_** degree from **NOORUL ISLAM COLLEGE OF ENGINEERING\_** College with **\_1<sup>ST</sup>** class . She had Passed M.E.\_ degree from **\_MANONMANIAM SUNDARANAR UNIVERSITY** College with **\_1<sup>ST</sup>** class . She had completed her Research on the title **Detection and Analysis of Bone Fractures in Radiology Images** from Anna University, Chennai.

Her Area of interests are Image Processing, Security and Medical Imaging. She joined this institute on 12-08-1999. She is having more than 22 years of experience in Teaching

### Conference :

- ❖ C.Harriet Linda & W.R.Sam Emmanuel, “Role of fuzzy sets and fuzzy entropy in medical image segmentation”, Proceedings of the National Conference on Recent Trends in Communication Techniques, NATCON '07, Noorul Islam College of Eng., Kumaracoil, 8th and 9th February 2007, pp.246-248.
- ❖ W.R.Sam Emmanuel & C.Harriet Linda, “Statistical Tools Applied in Fading of Communication Channels”, Proceedings of the International Conference on Mathematics and Computer Science, ICMCS 2007, Loyola College, Chennai, 1-3 March 2007, pp.543-546, ISBN:9-788183-710695.
- ❖ C.Harriet Linda & W.R.Sam Emmanuel, “Gray Scale Image Segmentation using fuzzy sets and fuzzy entropy”, Proceedings of the National Conference on Advanced Image Processing and Networking, NACIPAN '07, National Engineering College, Kovilpatti, 2nd and 3rd March 2007, pp.55-61.
- ❖ C.Harriet Linda & G.Wiselin Jiji, “Image Segmentation using Fuzzy sets and Fuzzy Entropy”, Proceedings of the 2nd International Conference on Computing, Communication and Networking Technologies, 2010, IEEE Xplore, pp.1-5, doi: 10.1109/ICCCNT.5591892.
- ❖ C.Harriet Linda & Nisha S S, “A New Piecewise Linear SVM Technique for Human Detection”, Proceedings of International Conference on “Recent Trends in Engineering and Technology”, CSI Institute of Technology, Thovalai, 13th and 14th March 2014, Sponsored by IEEE student chapter Madras Section.

- ❖ C.Harriet Linda & M S Sweetie Shine, “Image Retrieval Using an Automatic Tag Completion Method”, Proceedings of International Conference on “Recent Trends in Engineering and Technology”, CSI Institute of Technology, Thovalai, 13th and 14th March 2014, Sponsored by IEEE student chapter Madras Section.
- ❖ C.Harriet Linda, “Generative – Discriminative Probabilistic Model for Brain Lesion Segmentation”, Proceedings of International Conference on “Emerging Trends in Engineering and Technology”, Cape Institute of Technology in association with Multimedia university, Malaysia and Computer society of India Kanyakumari chapter on 1st April 2017.
- ❖ C.Harriet Linda, “Robust Auxiliary Dictionary Learning Framework for Under Sampled Face Recognition”, Proceedings of 3rd International Conference on “Research vogues in Information and Communication Tecnologies”, D.M.I Engineering College, Aralvaimozhi 10th March 2016.

### **Seminar/Conference/Workshop Attended**

- ❖ One day Workshop on “Personality Development”, 27th October 2000, CSI Institute of Technology, Thovalai.
- ❖ Workshop on ‘Soft Computing Techniques’, Mepco Schlenk Eng. College, Sivakasi, 11th and 12th February 2010.
- ❖ National Workshop on ‘Fuzzy Logic and Neural Networks’, Noorul Islam University, Kumaracoil, 11th and 12th March 2010, sponsored by Department of Information Technology, Government of India.
- ❖ National Level short term course on ‘Neural Information Processing System’, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, 27th to 29th April 2010, sponsored by AICTE.
- ❖ National Level Seminar on ‘Medical Imaging’, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, 17th and 18th September 2010, sponsored by Department of Information Technology, Government of India.
- ❖ National level workshop on “ Multi Objective Optimisation using Evolutionary Algorithm”, Sun College of Engineering and Technology, Erachakulam, 24th September 2012 in association with IET.
- ❖ Faculty Development Programme on “Neural and Fuzzy Methods in Engineering”, 27th and 28th September 2013, CSI Institute of Technology, Thovalai.
- ❖ International seminar on “Computer Vision”, 8th and 9th October 2013, Dr.Sivanthi Adithanar College of Engineering, Thiruchandur.
- ❖ National Level online Faculty Development program on “ Artificial Intelligence and Machine learning” organized by Department of Computer Science and Engineering. Vangdevi College of Engineering on 29 th and 30 th may 2020.

- ❖ Webinar on ‘Research in Digital Age – Problems and Opportunities’ organized by BVICAM, Newdelhi on 12 june 2020.
- ❖ Webinar on ‘Artificial Intelligence’ organized by Surendra Institute of Engineering and Management Siliguri, West Bengal 16th may 2020.
- ❖ Webinar on ‘Theme Leading in a VUCA world’ on 20th to 24th April 2020 Conducted by ICT Academy
- ❖ DST- SERB sponsored National Workshop on ‘Deep learning for Image processing Applications’, organized by the Department of Computer Science, Pondicherry University, Puducherry on 28/1/2021 and 29/01/2021

#### Journals :

- ❖ **Harriet Linda C & Wiselin Jiji G**, 2011, ‘Crack Detection in X-ray Images Using Fuzzy Index Measure’, Applied Soft Computing, **Elsevier**, vol. 11, no. 4, pp. 3571–3579. (Impact Factor: 2.612).
- ❖ **Harriet Linda C & Wiselin Jiji G**, 2018, ‘Hairline Breakage Detection in X-Ray Images Using Data Fusion’, Multimedia Tools and Applications, **Springer**, vol. 77, no. 13, pp. 17207-17222, <https://doi.org/10.1007/s11042-017-5286-5>, (Impact Factor: 1.541).
- ❖ **Harriet Linda C & Wiselin Jiji G**, 2018, ‘Hierarchical Approach to Detect Fractures in CT DICOM Images’, Section C: Computational Intelligence, Machine Learning and Data Analytics, The Computer Journal, **Oxford Academic**, vol. 61, no. 7, pp. 1099-1108 <https://doi.org/10.1093/comjnl/bxy023>, (Impact Factor: 0.792).

#### Professional Bodies :

- ❖ **ISTE** (Indian Society for Technical Education), Member
- ❖ **IACSIT** (International Association of Computer Science and Information Technology), Member
- ❖ **IAENG** (International Association of Engineering), Member