

DR. JENNIFER JEPKOECH

Name: Mrs. Jennifer Jepkoech

Title/Qualification: PhD

Position: Lecturer

Department: Computing and Information Technology (CIT)

School: Pure and Applied Sciences

Area of Specialization: Computer Science

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Short Biography

Jennifer Jepkoech received BSc computer science from Periyar University India and MSc. Computer science from Bharathiar University India. She holds a PhD in Computer science from the University of Embu, Kenya. Apart from teaching Computer Science, Jennifer has a track record of making Machine Learning Technologies that are on the edge of research work in Agriculture, Finance and Healthcare Environments. Deployed models that she has worked on include forecasting systems in the Finance Industry, Quality Assessment models in Food industry, plant disease detection models in agriculture and Artificial Intelligence models in Healthcare.

Research Interests:

- Computer Vision
- Machine Learning.

Publications in Journals:

1. Jennifer J., David Muchangi Mugo, Benson K. Kenduiywo and Edna Chebet Too, **(2021.)** “The Effect of Adaptive Learning Rate on the Accuracy of Neural Networks” *International Journal of Advanced Computer Science and Applications (IJACSA)*, 12(8). <http://dx.doi.org/10.14569/IJACSA.2021.0120885>
2. **Jepkoech, J.**, Mugo, D. M., Kenduiywo, B. K., & Too, E. C. **(2021)**. Arabica coffee leaf images dataset for coffee leaf disease detection and classification. *Data in brief*, 36, 107142. <http://dx.doi.org/10.1016/j.dib.2021.107142>
3. **Jepkoech Jennifer.**, Shibwabo.C. Anyembe **(2019)** “Implementation of Blockchain Technology in Africa” *European Journal of Computer Science and Information Technology*, Volume 7, NO.4, pp.1-4, August 2019. <https://www.eajournals.org/1>
4. Consolata Gakii., **Jepkoech Jennifer(2019)**” A Classification Model For Water Quality Analysis Using Decision Tree” *European Journal of Computer Science and Information Technology*, Volume 7, NO.3,pp.1-8, June **2019**

5. **Jennifer Jepkoech (2018)**” Implementation Of Green ICT In Kenya.”*International journal of modern computer science(IJMCS)*,ISSN:2430-5264(online)Volume 1 Issue 2,May,2018,pp18-20.
6. **Jennifer Jepkoech (2018)** ” Implementation Of Blockchain Technology In Africa. “*International journal of modern computer science(IJMCS)*, ISSN:2532-1836 (online) Volume 2 Issue 6,July,2018,pp22-24.

Presentation of Papers at Academic and Professional Conferences

1. May 2017, Invention and innovation conference Kenya highlands University: Jepkoech Jennifer
“Human-computer interaction for diabetic patients in Kenya”
2. January 2016, Networking conference Kenya highlands University: Jepkoech Jennifer., Joseph Koech
“An optimal defence against attacks while performing online monetary transactions”
3. September 2011, International Multidisciplinary conference Bangalore India.Jepkoech Jennifer (2011)
Sybil Limit