



Esther Mukoya

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Esther is a PhD candidate of Information technology at JKUAT. Her PhD research focuses on modelling computationally efficient content based image retrieval systems. Mainly focusing on biometric images

Affiliation : Jomo Kenyatta University of Agriculture and Technology

Specialization: deep learning

Research Interest: data structuring, indexing and data retrieval modelling in order to search, retrieve and understand image data.

Research interests and ongoing projects

Use of Biometric recognition of children for effective tracking of vaccination clinic schedules

This is a project funded by African Ai Japan (JICA) 2020-2021. The aim of this project is to develop and evaluate an effective tool for child vaccination clinic follow-ups and hence its impact on child health in Kenya to inform recommendations for its wider application and scaling up.

Biometrics images and deep learning techniques are combined as reliable recognition form for child clinic follow-ups.

Key words: biometrics, Deep learning, child vaccinations