



Affiliation: Jomo Kenyatta University of Agriculture and Technology, Department of Computing

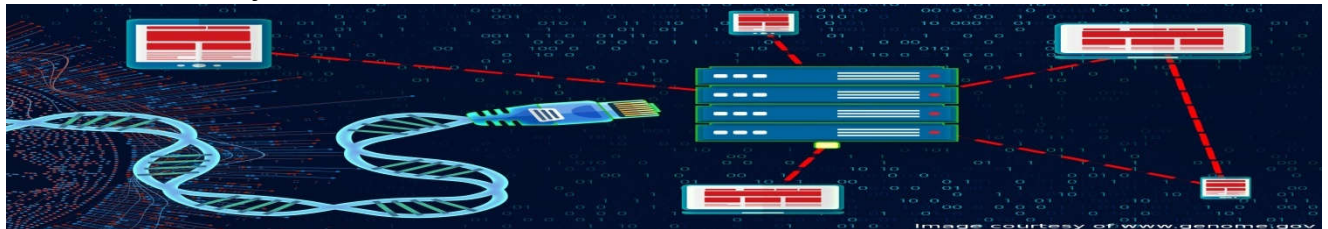
Specialization: Computer Science

Research interest: Mainly in the wider Artificial Intelligence field with emphasis on creating an industry-linkage for actualization of knowledge/ artifacts generated.

Goal: To stimulate research in Artificial Intelligence and apply knowledge generated to diverse fields in industry.

Current Research Interest and ongoing projects

Bio-Informatics Project



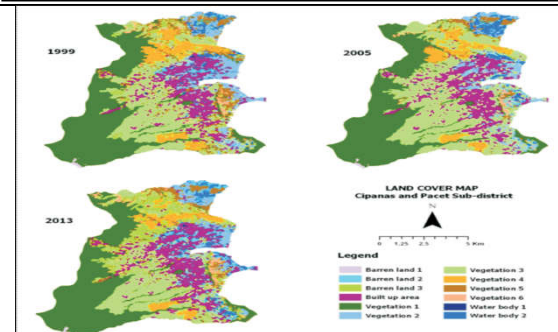
This is a Project currently in its infancy stage where we are trying to bring in bioinformatics research to the department and school at large. We currently have two (2) PhD research students working on different aspects: *Time Series Gene Expression and Visualization for Early Stomach Cancer Diagnosis* And *Graph Based Network Model For Genes-Phenotype prediction* done in conjunction with Biotechnology Research Institute - Kenya Agricultural and Livestock Research Organization

Machine Learning Project



Currently there is much interest in identifying trends and patterns in large corpus of data. Machine learning algorithms provide a way of achieving this. But there is need to improve their performance and as such our efforts towards achieving the same. Currently we have One (1) PhD student and 4 MSc students working on different areas of this.

Spatial Temporal Analysis



Analyzing data in terms of time and space is very important in so many application areas. Our aim is to develop novel and improve current algorithms and apply the same in different areas like land use, weather, understanding natural disasters etc.

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