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UNITED STATES INTERNATIONAL UNIVERSITY – AFRICA.

SCHOOL OF SCIENCE AND TECHNOLOGY.

**IST 4040 | DECISION SUPPORT SYSTEMS AND ANALYSIS.**

**INSTRUCTOR | AUSTIN ODERA**

**RESEARCH ASSIGNMENT 1**

**BY**

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**DSS OR SOFTWARE APPLICATIONS THAT ARE USED IN DIFFERENT INDUSTRIES.**

1. **Medication Related Clinical Decision Support System.**

A.T.M Wasylewicz (2018) describe medical related CDSS as a system that goes further back to 1960s and is used to support pharmacists with drug allergy checking, dose guidance, drug-drug interaction checking and duplicate therapy checking. The systems were further enhanced to Computerized Physicians Order Entry (CPOE). This allowed physicians to be able to prescribe medications using electronic entry.

1. **Field-Scale Decision Support System for Assessment and management of Soli functions**

Marko Debeljak, *et.al.* (2019), state that the system was focused on increasing the supply of individual soil functions. The primary soil functions are water purification and regulations, climate regulation, soil biodiversity and habitat provision. These inputs are used as the base for decision making.