MAKERERE UNIVERSITY

COLLEGE OF COMPUTING AND INFORMATION SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
COURSEWORK: RESEARCH METHODOLOGY(BIT 2207)
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Water pollution detection based on installing sensor networks in drainage channels of Nabugabo

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1 Problem statement

Sensors are used to monitor the pollution and are deployed in the drainage channels. The sensors have fixed positions and store the concentration values synchronously.

The purpose of the sensors is to detect the pollution timely and the pollution detection problem of the sensors is to detect whether the water has been polluted.

2 Objectives

2.1 General objectives

To control water pollution by successful installation of sensors in the drainage channels.

2.2 Specific objectives

Crime against property includes highway dacoit, bank dacoit, petrol pump dacoit, other dacoit, highway robbery, bank robbery, petrol pump robbery, other robbery, burglary, cattle theft, motor vehicle, other theft etc.

2.3 White collar crimes

To determine the pollutants in the water.
To determine the significance of pollution at Nabugabo swamp through drainage channels.
To determine the areas that pollute water most using drainage channels.
To successfully get data from the sensors that can be used to control water pollution.