**Problem Definition**

UWI wishes to utilize attendance keeping in order to analyze student performance. However, the consistency of these attempts is compromised by the expensive demand of ID scanning equipment and tedious manual process. In attempts to result these issues, it was requested to build an mobile application for cellular devices that has the capturing and processing capabilities

**Requirement Specifications**

The creation of an android application that has the following core functionalities:

* Retrieval of Student ID by scanning the UWI ID card barcode
* Update the student roll with the scanned ID
* Scanning process must be quick and responsive
* Visual Confirmation is presented upon successful scanning

**Requirements Analysis**

**Primary Users**: Lecturers and Tutors

* Set up ID card scanning for taking role
* Must possess an android smart phone with camera

**Data Input:**

* Student ID
* Course
* Date/Time(may be automatically generated)

**Output:**

* Format of output? List or Spreadsheet view?

**Design**

Database Design - Possible fields:

**Attendance Table**

Attendance ID (Primary key)

Student ID (Integer)

Course ID (Varchar)

Date/Time

**Questions to be answered:**

What they need to see?

What functionality they need to have?

Who gets the reports based on the data?

What reports they want to get?