**AUTOMATED STUDENT LOCATION BASED TIME AND ATTENDANCE TRACKING SYSTEM**

**Description of the Problem**

* Over the years the student attendance system that is available is Manual attendance system. Manual attendance system use sheets of paper that students fill out and lecturers oversee for accuracy of the student. However, attendance information in Manual attendance system is subjected to human error when various students fill the sheets of paper and also it is time consuming system.

**Main Objective**

* The objective of this project is to Design and Develop automated student location based time and attendance tracking system

**Specific Objectives**

1. Design and develop mobile application and web based system,
2. Capturing the student’s current position in a specific time (GPS and Data and Bluetooth),
3. Check the location of the students and Save students credential for automation,
4. Configuration of Bluetooth Lower Energy Beacon.

**Significance of the Project**

1. The system is full automated,
2. Easy in Installation of Mobile app for student,
3. An automated system reduces the risk of errors that are common in a manual system,
4. Allows the workforce to be more productive instead of wasting time on tedious administrative tasks.

**Project Scope**

The system will be developed to operate on smartphones and web browsers.