**Background and Purpose**

Providing a solution to the problem of poor performances of student and reducing the rate of dropout is an often-required task across tertiary institutions .We intend to use machine learning to analyze student grades to predict the success of students with at least 4 weeks of grades. This is done by analyzing grades and student attendance. The information and data are strictly confidential, we will also publish only aggregated and anonymous result.

**Objective(s)**

The specific objectives of the study will be to:

1. Utilizing machine learning techniques to identify potential failing students at week 4 of the first semester.
2. Contribute to increasing student retention and graduation rate.
3. Improve Performance of Student.

**Questions to answer**

1. What other factors affect student’s performance?
2. How do we ensure data integrity in the data collection process ?