**Streaming Allocation Management System (SAMS)**

Overview

The proposed software MUST be compatible to computer running on Windows SSOE Compliance supporting up to 64-bit. All data should be stored in local machine and not expose to Internet.

To objective of this software is to allocate Subject Option (Subject Combination) to Sec 2 Students based students’ Choices, Results and Option Parameters.

Data Requirement

1. Option List
   1. The Option List consists of all the Option (Subject Combinations) the school is offering to students.
   2. Each Option will have a set of Criteria (Based on Subject Min Mark) which the student must meet in order to qualify.
      1. Min Average Mark
      2. Min Weighted Mark
      3. Min Subject Passed
      4. Min Mark for Core Subjects
      5. Min for Optional Subjects
   3. Each Option will have a Max number of students allowed (Optional)
   4. Each Subject will have a Max number of students allowed (Optional)
2. Class, Pupil and Results
   1. Able to convert data from School Cockpit System (Text and CSV Files)
   2. Able to compute Weighted Average Mark from one or two exam
      1. SA1-2014 and SA2-2014
      2. SA2-2013 and SA2-2014

Processes

1. Registration of Options
   1. Student will register their choices in School Computer Lab via an Offline Windows Application.
   2. Student can only select from options that they are qualified or any options depending upon school needs.
   3. Up to a maximum of 6 choices
   4. Print Confirmation Slip to be submitted to General Office
2. Download Choices
   1. Students’ Choices will be download and load into the Streaming Software
3. Allocation of Option to Students
   1. Allocation must be according to the following order
      1. MANUAL. School can manually allocate an option to student due to some requirement such as lateral transferred or some other reasons.
      2. Based on Merit
   2. There is a MAX for each Option
   3. There is a MAX for each Subject (especially for subjects which have limited resources e.g. not enough Teachers; Not enough Labs)
4. Allocation of Students to Classes
   1. Able to allocate Classes by Option
   2. Able to allocate Classes based on Selection
5. Posting of Placement Results (Appeals)
   1. Student may login to website to view their Placement Results
   2. Student may make appeal via the same website
6. Utilities
   1. Password Access and Control
   2. Backup and Restore Data
   3. Export Data to Excel or Text File

Others

Vendor should provide quotation for the above and state any terms and conditions such as warranty period, onsite services and training. In addition, vendor should also state the maintenance/upgrade fees to be incurred after the warranty period.