**Modules--summary**

* ***Security*** - This will serve to handle isolation of various stakeholders accessing the system as well as security logging. The module should ensure that the records in the system are not interfered with. The module will incorporate encryption of select data sets.
* ***Schools Management*** - This will manage schools using the system. It should allow for addition and removal of the same. The module will track every aspect of the schools including teachers, facilities, etc.
* ***Students Management*** - This module will track the students in the system, linked to their respective schools. Such records as data on them, attendance, etc. will be stored here.
* ***Academics Management*** - Academic records of the students will be stored in this module. The records will be categorised by exam types (internal or otherwise). There will be comparative ranking of the students with other schools.
* ***Reporting Module*** - This module will be able to generate listings, summaries, charts for the various records stored in the system.
* …
* ...

**School management**

* System admin to Create school account
* Edit account details of a school
* Associate a pupil to a particular school.
* School has a dashboard for posting public information
* Show contact details of a school: a form to fill which is linked to an email…
* Have a chat feature where a visitor can chat with the school teacher/user.
* Alumni to register with their former school.
* School has a calendar of events.
* A section to show proposed, ongoing , completed projects.
* A report that will show schools grouped by various geographical areas.
* Internal communication to teacher, staff via email, memos, sms.

**Academic module**

* Record internal exam – CAT, End term 1,2&3.
* Record KCPE
* Analysis of exam results: mean per class, boys vs girls, clusters, subject and aggregate mean.
* Retrieval of exam record: by student, class, school.
* Register a subject.
* Link a subject to a student and school.
* Capture details of teacher taking a subject. Edit such details if changes happen.
* Number of students taking a subject.

**Students Management**

* This module will track the students in the system, linked to their respective schools. Such records as data on them, attendance, etc. will be stored here.
* Create a student account, by school or system admin.
* Link student to a school
* Student’s details: name, admin number, gender, class, parent name, phone, photo id.
* Transition to the next class: automated vs user triggered.
* Delete account.
* Create Alumni account (for already graduated)
* Alumni organized by year of graduation.

**Reporting Module**

* This module will be able to generate listings, summaries, charts for the various records stored in the system.
* Generate a report form for a student.
* Generate a transcript for a student.
* Report listing number of students in a class, school, choice of sorting by gender.
* List of schools in a particular area: zone, Sub County, county.
* A student report on KCPE results.
* A report on projects by a school.
* Exam report in graphs, tables, pie charts for a school or a group of schools.
* Comparisons.