**LIBRARY MANAGEMENT SYSTEM.**

**PROBLEM STATEMENT.**

**PROBLEM IDENTIFICATION.**

Kasuku Institute of Literature recently launched their school library ten years after establishment of the school. The library is endowed with vast literary resources that are present to aid the students in their course work throughout their whole learning experience in the institution . Due to the bulk nature of the learning material found in the library and the inadequacy in number of staff , the school library management department find it difficult to maintain the control of circulation books to and from the library as they use a manual pen and paper system for all the processes in managing the library from receiving books from suppliers to lending books to the students who are the main shareholders looking forward to benefit to the books in the library .

**GAPS IN THE CURRENT MANAGEMENT SYSTEM.**

Having a poorly managed system, the management find it difficult to conduct day to day activities that include;

* Recording of books bought in inventories
* Categorizing books to different fields of study
* Lending and keeping record of books lent to students
* Tracing of books that are in need by the students on the shelves
* Keeping a list of books borrowed and not returned by students
* Limiting number of books borrowed by students
* Limiting period of time for students to stay with the books hey borrowed.

**CONSEQUENCES OF THE CURRENT MANAGEMENT SYSTEM.**

The above gaps in the management of the library lead to;

1. Poor records of new books being bought by the school.
2. Books appearing to be mixed in different field of studies.
3. Books getting lost from the shelves without an idea of who borrowed them
4. Students having a hard time to access the books they are in need of
5. Students taking more than the limited amount of books without the staff noticing the same
6. Students staying with books for a prolonged time without returning them to the library

**PROPOSED SYSTEM OBJECTIVES.**

As a group, we chose to address this situation by proposing a library management system that will aid the staff in controlling the circulation of the books from the library. In the system under construction our objectives are;

* To ensure proper record of books by our self-made inventories
* To ensure books are categorized according to the field of study they belong to
* To keep record of students and the books they borrowed
* To ensure all books are traced regardless of where they are (with students or inside the library)
* To ensure students do not get lent more than the maximum number of books
* To ensure that students do not surpass the time limit of staying with books without return to the library

**SYSTEM REQUIREMENTS.**

For smooth running of the system, some details will be needed. These details include;

1. ***In keeping record of the books delivered to the school;***

* Name of books
* Quantity of the books delivered
* Time of delivery of the books
* Staff name and staff number of staff in shift at the time of delivery of books

1. ***In borrowing of the books by student;***

* The student’s registration number
* The student’s name
* The name of the book borrowed by the student
* The field of study of the book borrowed
* The shelf number from which each book is kept
* Staff name and staff number of the staff in shift at the time of borrowing of book
* Time of borrowing the book
* Number of books borrowed by student
* Date of return of the book being borrowed

**CONCLUSION**

In summary , the new proposed system looking to phase out the current manual system has more benefits than limitations which are clear from the objectives of the proposed system . With the new system being implemented , circulation of books to and from the library will become easier as records of the books are well kept . Furthermore, records of whom, when and what was borrowed are well kept, ensuring that books do not get lost as the circulate from the students to the shelves inside the library.