**KIRANJA.**

**THE ANNUAL KENYA SCIENCE FAIR.**

**Project: Kiranja.**

**Category: Computer Science**

**Presenters: Ian Wafula.**

**Joshua Kayeli.**

**School: Alliance High School**

**Venue: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Abstract**

Teacher A is the deputy principal at a certain high school. He has several duties as the deputy principal, teacher and coach of the rugby team. This is of course on top of specifics such as marking books, guidance and counselling etc.

This is of course a lot on one plate. And these are but just a few.

Teachers are the backbone of our society; we owe so much to our teachers. So many of us are who we are because of the tireless efforts of our teachers.

Coming to class, teachers have up to an average of 5 lessons per day, with some having up to 9 lessons each day.

This is of course out of a total of 10 lessons on average. And this is of course from our school, some schools have up to 15 lessons each day. And the teachers are supposed to perform equally and efficiently in both schools.

Between the timetable design and expectation of teachers to fully master the lesson schedules even when the timetable itself is ever changing, there is need for change in the system, across all of the schools.

That is where Kiranja comes in, it enables teachers to easily set up timetables and better yet, send SMS reminder to the teachers five minutes before the lesson. One cannot fully emphasize the importance of an active teacher in student education.

This helps teachers remember their lessons effortlessly and all the while reducing redundancy of lesson which occur during manual set up of these timetables.

**INTRODUCTION**

**BACKGROUND INFORMATION**

Most of the schools use an traditional method when it comes to planning and organizing their timetables. This includes manually planning, comparing and drawing up the lesson tables.   
Obviously, this is a weakness on its own. First, it wastes a lot of time and there is a higher possibility of redundancy in lessons. You may find that a certain class is repeated such that a teacher has two classes apparently.