



Is ICT the Solution To Poor Performance of Students? 92. Mtwara Technical

Latifa Mohamed and Raphael F. Nyamhanga



Introduction:

Our project title emphasize the use of ICT (information and communication technology) to students, we decided to undertake this project because we want to improve the level of performance to our fellow students. By undertaking this project we hope to achieve the best method of studying that the students can use so as to raise the academic performance

Method:

We took a class of 40 students from form four and divide it into two groups of 20 students each, group A and B and then we chose one topic of Regulation in Biology subject. Then we taught both groups whereby group A were using computers and the modem to search for the materials and the contents of a particular subject.

Group B were not using ICT devices for search for the materials. We provided group B with just text books.

After two weeks of being taught, students of both groups were given the first examination.

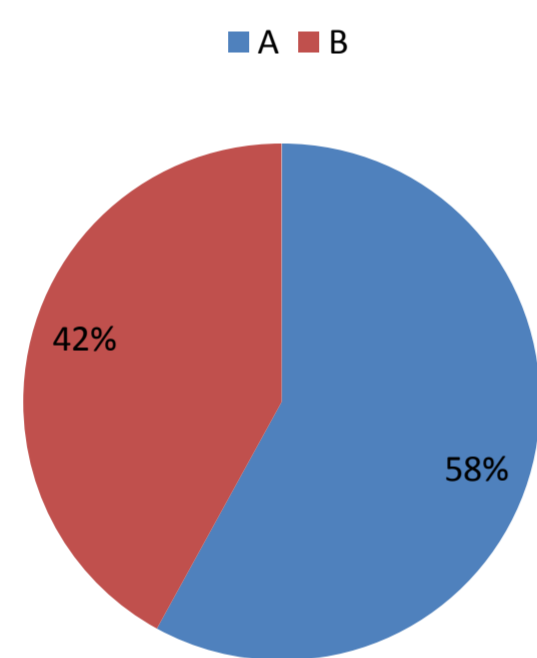


Results:

The results from the exams are shown aside. Two weeks after the first examination, both groups were given the second examination and the results were as follow:-

Therefore by observing the marks of the students in the first test and the second test, we realized that the students that use ICT in learning process performed better than those students that were not using the ICT devices in learning.

The pie chart showing the average marks in group A and B in both tests



By looking to the pie chart of results of the first test, highest mark in group A was 85 and group B was 73 while the lowest mark in group A was 51 and that of group B was 42. So, in the first test, group A had good performance compared to that of group B. This shows that students who used ICT had high ability of understanding more than those who did not use it.

Also by looking to mean/average of results of the second examination, highest mark in group A was 95 and that of group B was 66 while lowest mark in group A was 59 and that of group B was 25 so in the second examination group A had good performance compared to that of group B. This show that who used ICT had high ability of remembering more than those who did not use it.

Student	Marks
1	85
2	85
3	81
4	80
5	80
6	78
7	77
8	74
9	73
10	73
11	69
12	65
13	65
14	63
15	61
16	58
17	57
18	57
19	55
20	51

Group A (Average 69%) Group B (Average 56%)

1	73
2	72
3	70
4	70
5	68
6	67
7	65
8	65
9	55
10	54
11	54
12	54
13	51
14	50
15	47
16	46
17	44
18	43
19	42
20	39

1	95
2	94
3	93
4	93
5	90
6	88
7	87
8	85
9	84
10	80
11	78
12	77
13	75
14	74
15	74
16	70
17	67
18	64
19	63
20	59

Group A (Average 75.8%)

1	66
2	66
3	61
4	60
5	58
6	58
7	55
8	53
9	52
10	52
11	50
12	48
13	48
14	48
15	40
16	37
17	36
18	33
19	30
20	25

Group B (Average 48.8%)

Conclusions

From the results above in both examinations, the students who used ICT (group A) had high performance compared to those who were not using ICT (group B). Hence the use of ICT can be used to raise the performance of the students in Tanzania. But this can be hindered by the absence of electricity in the schools which are mostly found in the villages and the lack of ICT materials such as computers and smartphones also lack of good internet network. So the government should look forward to provide ICT materials to students also supplying electricity to the school together with improving internet network so that to make easy for the students to search materials.

References:

Information and communication technology, Oxford University press Second Edition 2010, Oxford.
Biology for secondary school student book 2, Oxford University press.

Acknowledgments

First of all we would like to send our sincerely gratitude to our supervisor teacher Mr. Millanzi Augustino for giving us full support all through the project. Also we would like to give our thanks to our Headmaster Mr. PJ Kaji, our computer laboratory teacher Mr. Sabini Henry for fully allowing us to conduct our research in the computer room and our fellow form four for their participation.