

**ST LUKES YATTA SECONDARY SCHOOL ICT CENTRE
PROPOSAL**

**ACCESS OF ICT SERVICES TO THE STUDENTS AND THE
YATTA COMMUNITY IN EASTERN KENYA**

**SUBMITTED BY ST LUKES YATTA SECONDARY SCHOOL TO
SASOL**

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1.0 BACKGROUND

St Luke Yatta secondary school is situated in Yatta division, Kitui district in eastern Kenya. Yatta division is semi – arid with generally hot and dry climate. The annual rainfall ranges between 500- 1050 mm with 40% reliability. In this division, therefore majority of the people depend on relief food most of the year. According to CBS census 1999, Yatta division has got 7640 households (62,020 people) which covers 1175.0 square kilometers. The road network and other infrastructure is poor and this makes it difficult for the students / community to easily access ICT services which are also limited in the district headquarters.

Students and community from the division therefore are disadvantaged. Those who graduate to colleges and other Institutions of Higher Learning therefore find themselves in difficulty situation in trying to catch up with those who already have ICT skills.

Due to the said scenario, the Management of ST Lukes secondary school in collaboration with SASOL team Kitui proposed establishment of an ICT centre in the school to serve not only the students but also the Teachers and the neighboring / surrounding community in order to accelerate development.

2.0 PROBLEM STATEMENT

Information Communication and Technology (ICT) Education is a fairly new concept in Kenya especially in rural areas. However it is such an important ingredient to the educational set up that can no longer be ignored. Students who graduate without proper foundation in ICT are disadvantaged when it comes to job opportunities. In fact such a student is irrelevant to the job market not only internationally but also locally.

The demand for people who are Computer Literate goes beyond the Student to Teacher in both Secondary and Primary schools and the Community in general. ICT therefore is not only important to the students but also to the rest of the community members. Despite the high need for ICT services within the rural communities, the technology has not yet permeated to the most rural areas in Kenya thus rendering students and communities in those areas disadvantaged. Development in such areas is also slow since communities have neither the basic skills nor contact to the rest of the world for business and other purposes.

3.0 PROJECT DESCRIPTION

The project is an ICT centre situated within St Luke's Yatta secondary school premises. St Luke Yatta secondary is an upcoming secondary school with a student population of 241. It is a district secondary school which has been performing well academically. It has been ranked position one out of 50 school of its category in Kitui district for the last two years.

In order to effectively manage the ICT centre, it was deliberately situated within the school compound where both the students and the community can easily gain access. It is slightly separated from the rest of the other schools infrastructure so as to avoid interference of the schools activities by the target community members.

The overall vision is to create a modern ICT centre that will attract secondary and primary school students and Teachers and also the community members within the Yatta division. However this has to be realized in phases.

4.0 THE GENERAL OBJECTIVE.

The General Objective of the Project is to support the existing secondary school education and provide ICT services to the Students, Teachers and the neighboring Local community.

5.0 SPECIFIC OBJECTIVES

1. To provide ICT education to the Students and Teachers.
2. To provide ICT education to both those students who have already completed their studies but had not received it and the community members
3. To provide Internet access to both the students and the community members

6.0 TARGET POPULATION

The project targets the students who are currently 241, the Teachers of all Secondary and Primary schools in Yatta division and the local community specifically those who completed secondary or college education earlier and other interested community members.

7.0 THE IMPLEMENTATION PLAN

The ICT centre has already benefited from a donation of one building block (computer lab) and ten computers. This has enabled the management to initiate computer basic skills session to the students in small groups. However, in order to effectively initiated phase I, various modern equipment and power are required. They include;

1. Solar system for power and a back-up generator able to power 40 computers, the multipurpose printer and lighting.
2. Additional and modern computers- 30units
3. Multipurpose printers for photocopying, printing and scanning.
4. Installation of an Internet facility.

Phase II and III will be considered after phase I has been accomplished.

8.0 STRATEGY FOR SUSTAINABILITY

Once the project is completed, the school management will gradually introduce evening classes for school leavers and the local community in general. These classes will also be available all day long during the school holidays on a fee. The centre will also provide photocopying services to the local community.

9.0 MANAGEMENT

A sub-committee will be elected periodically to run the ICT centre .This will ensure effective management of the centre as well as high accountability of the fund collected from the service provided. This Committee will draw its membership from the Schools decision making organ.

The overall decision making organ of the secondary school is the board which draws its membership from the local community. It has 11members who include a chairman, secretary (the principal), treasurer and other members. The members are of diverse academic, social and professional backgrounds which blend very well for the management of the institution affairs.

9.0 BUDGET

	Requirement	Details	Cost Estimate
1	Local Area Network (LAN) facilities and VOIP -telephony	Cables (UTP-CATS)	100,000
		RJ45 Sockets and Accessories	
2	Link and Accessories	Telephone Wireless	100,000
3	Server	U. P. S	14,000
4	Change Over Switch	Switch	12,000
5	Ordinary Photocopier & Printer	Photocopying & Printing	120,000
6	Personal Computers (20 No.) and Software*	19 No. Ordinary Computers.	285,000
		1 No. Main Server	30,000
7.	Lighting**	Fittings	80,000
8.	Furnishing the Computer Lab**	Computer Tables, Chairs,	100,000
	Powering Options		
9.	Alternative 1: Solar	Solar Power Kit	750,000
10.	Alternative 2: Generator Only**	(12MVA with battery charging	140,000
	TOTALS		1731,000

NB: 1. * The School Board is currently approaching various prospective Sponsors, among them the School Sponsor- Anglican Church (ACK) and the Ministry Of Education Science and Technology (MOEST)

2. ** This will be the Schools contribution.