

EDUCATION in 21st Century

Accelerate the use of Technology to
Enhance Teaching and Learning

AJESR Conference

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Status of Technology in Teaching and Learning in Zanzibar

The use of technology in teaching and learning depends upon different aspects. These include:

- 1) Policy alignment
- 2) Readiness

The 2006 Zanzibar Education Policy (ZEP) emphasizes the use of ICT in teaching and learning to all levels of education.

Zanzibar ICT Policy in Education

In July 2019 the Revolutionary Government of Zanzibar (RGoZ) approved the ICT Policy in Education.

Among the specific objectives of this policy is to facilitate the development and use of ICT as a pedagogical tool for teaching and learning, and for the professional development of teachers, administrators and educational managers.

Why ICT in Teaching and Learning?

We are now in the e- world.

The market system changes.

Evolvment of epidemic diseases.

High speed of human interactions around the world.

All these changes force the use of ICT

If not for TECHNOLOGY you would be left behind

21st Century Teaching and Learning Demands

LEARNING SKILLS	LITERACY SKILLS	LIFE SKILLS
Critical thinking	Information literacy	Flexibility
Creativity	Media literacy	Leadership
Communication	Technology literacy	Initiative
Cooperation	(IMT)	Productivity
(4 C's)		Social skills
		(FLIPS)

Teaching and Learning in 21st Century

Active, Interactive, entertaining, Learner-centred and personalised instruction

Innovative

Learn new technology

Connect anywhere, with any one, any time through social media



What we do

MoEVT initiates Media Education Centre called Kwarara Media Education Centre (KMEC)

KMEC plays the following roles:

It produces e-content in

Audio Programs

TV/Video Programs

It provides e-content training.



What we do

Systems Development:

Zanzibar School Management System(ZSMS): Simplifying teachers' work load during students' progress

<http://18.221.33.74/login.php>

Zanzibar Education Assessment System(ZEAS): Examination system to help STD IV, STD VI and FII and FIV students to prepare themselves for final examination

<https://zeas.moez.go.tz/>

Zanzibar Learning Management System (ZLMS):

An educational learning platform for displaying e-content

<https://zlms.kmec.go.tz/>

What we do

A-level students Allocation System:

Automation selection, screening and arranging A-Level students <https://www.moez.go.tz/zsaac/index.php>

Teachers forum: For teachers to communicate directly to MoEVT – this started for teachers who use ZSMS

Website development and Email configuration: to facilitate communication and provision of information to stakeholders.

<https://moez.go.tz/> , <https://kmec.go.tz/>

Youtube Channel: for publishing tutorial videos of different subject and classes.

<https://www.youtube.com/channel/UCkb2kL8o2VQsHDmMGabmzFA>

What we do

Training:

Training primary teachers – STD V and STD VI ICT subject teachers.

Training Secondary teachers how to integrate ICT with others subjects

Training laboratory technicians who works in ICT Hubs.

Training Ministry staffs how to use ICT resources (Basic programs (Ms word, ppt, excel, and email application), Connection of computers and projectors)

Training teachers to use ZSMS and ZEAS

Training students how to perform assessment using ZEAS system

What we do

Innovation and Research:

- Establish Interactive Learning of different subjects – preparation of digital notes e.g. [https://zlms.kmec.go.tz/notes file/Introduction to Computer/Introduction to Computer.html](https://zlms.kmec.go.tz/notes%20file/Introduction%20to%20Computer/Introduction%20to%20Computer.html)
- Establishing offline ZLMS and ZEAS so as to cover the gap of the area where accessibility of internet hard.
- Establish offline digital library to cover shortage of book due to pupil ration per book
- Train teachers to use ICT resources (starting with power point presentation) instead of using chalk and board to write the notes that consume a lot of time and energy.
- To prepare simulators of science subjects to cover the gap of shortage of science laboratory practical items and facilitate smooth learning environment.

ICT Supported Projects

SPONSOR	NAME	NO. OF PROGRAMS	YEAR
GNTZ- ZAO/KOICA/DAE KYO/SBS	Happy Talk Season 1	40	2018/2021
	Happy Talk Season 2	40	
GNT- ZAO/KOICA	COVID-19 EMERGENCY Radio Programs	30	2021
	COVID-18 Emergency Video Programs	30	
GPE	COVID-19 RESPONSE SUPPORT PROGRAM (CRSP)	300	2020/2021
	E- assessment platform		

ICT Supported Projects

SPONSOR	NAME	NO. OF PROGRAMS	YEAR
RTI	Arithmetic and Inclusive Education Activity (AIE)	15 Drama 5 PSA	2020/2021
	Reading for Understanding	2	2020
NONGHSHIM	Kiswahili kwa Wageni	15	2020/2021

Challenges

Shortage of ICT infrastructure in schools.

Lack of school connectivity that limits information sharing.

Small budget allocation in the ICT in education sector.

Lack of reliable transport to support ICT initiative in schools.

Shortage of some ICT skilled personnel such as graphic designers and system developers.

Power backup system at KMEC.

Way Forward

More production of teaching and learning TV and Radio programs.

Effective use of innovation hubs.

More ICT training for teachers to support teaching learning process.

Establishment of “Elimu FM” Radio.

Capacity building to ICT staff on professional courses.

CONCLUSION

The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn, and relearn.”

--Alvin Toffler --

ICT combat crisis and difficult situation which tends to affect Teaching and Learning

END OF PRESENTATION

Thanks for listening

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