

ICT 2015 B



About my Project at LIFE Academy

- ❖ Name: Lucian Ngeze, Lecturer, University of Dodoma, Tanzania
- ❖ **Sweden:** September 2015
- ❖ **Project:** Development of Digital content for Teaching ICS subject in Secondary Schools in Tanzania, Case of Dodoma Municipality
- ❖ **Rwanda:** April 2016 (Regional Phase)
- ❖ **Cambodia:** December 2017 (Follow-up)
- ❖ Final Project Video link: https://youtu.be/T3qZlq60j_w

SDG 4: Quality Education for ALL

Target 4.c Teachers and educators

By 2030, substantially increase the supply of qualified teachers, especially in least developed countries



Problem in Tanzania

- ❖ Unlike Scandinavian countries that have specific number of professional development sessions per year, Tanzania does not have scheduled TPD plans
- ❖ It is hard to reach all teachers in a year or two
- ❖ There are 259,985 teachers (Primary & Secondary) [NBS, 2021]
- ❖ Reaching all these teachers becomes hard
- ❖ Some teachers go even 8 years without getting a chance for TPD

Work with Teachers

Training School Teachers

1. Integrating ICT in teaching and L
2. 21st century Teaching Practices
3. Competence-based Curriculum (CBC) Implementation



Previous face to face training

- ❖ Kola Hills Sec school, Morogoro [December 2018]; 18 participants



Previous face to face training

- ❖ Kola Hills Sec school, Morogoro [June 2019]; 8 participants



Previous face to face training

- ❖ Dodoma Sec school, Dodoma [June 28-30, 2019]; 17 participants



Previous face to face training

- ❖ Mwanza City Council, [Jan 14-17, 2020]; 35 participants



Previous face to face training

- ❖ Forest Hill Sec, Morogoro [August 28-30, 2020]; 26 participants

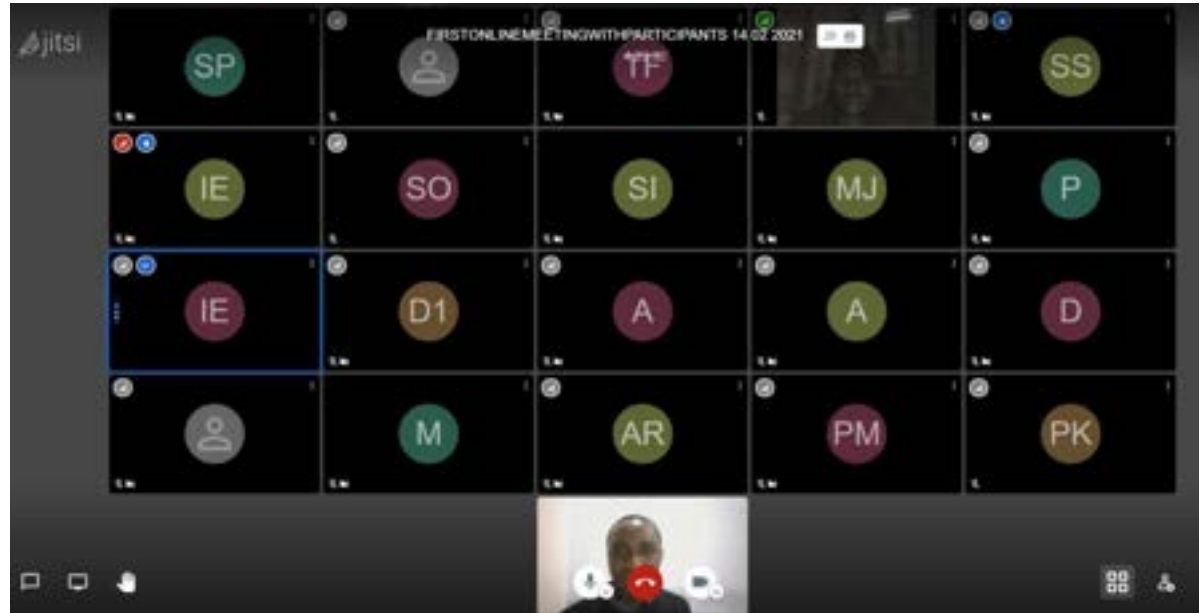


Engaging secondary school students [2017]



Summary face to face Training Sessions

- ❖ Over 250 school teachers have been trained on face to face mode
- ❖ Monthly online meetings with teachers





Development of Online Courses for School teachers

Online Courses for Educators

June 2018; 10 days; 174 teachers; All regions of Tanzania

CT4T2018 You are not logged in. (Log




TUJIFUNZE TEHAMA
EDUCATIONAL TECHNOLOGY FOR TEACHERS

TANZANIA


NAVIGATION ☰

- Home
- Site announcements
- Courses


Available courses

 **ICT Course For Secondary School Teachers** ✎

Course creator: Lucian Ngeze

ICT In Teaching and Learning In Tanzania 

You are not logged in. (Log in)



Online Courses for Educators

June 2019; 5 Weeks; 203 teachers; All regions of Tanzania

21st Century Teaching

NAVIGATION



[Home](#)

[Courses](#)

Available courses

[Becoming a 21st Century Teacher](#)

Course creator: [Teaching Assistant 1](#)
Course creator: [Teaching Assistant 2](#)
Course creator: [Teaching Assistant 3](#)
Course creator: [Teaching Assistant 4](#)
Course creator: [Teaching Assistant 5](#)
Course creator: [Lucian Ngeze](#)

Welcome to this 21st Century Course for Teachers

You are not logged in. ([Log in](#))



[Data retention summary](#)

[Get the mobile app](#)

Online Courses for Educators

- ❖ January 2020; 4 Weeks; 258 teachers; All regions of Tanzania

The screenshot shows a course page with a title 'Becoming a 21st Century Teacher [Jan 2020]' and a breadcrumb trail: 'Dashboard > Courses > 21C Teaching'. Below the title is a list of five tasks: 'Course Announcements', 'Fill your Details on this Course entry Survey', 'Introduce Yourself to Other Course Participants', 'Post Your Technical Questions Here!', and 'Join Course Whatsapp Group by Clicking on the link'. A section for 'WEEK 1: 13 JAN - 19 JAN 2020 || TEACHING IN THE 21ST CENTURY' follows, with a welcome message and a list of three learning objectives.

Becoming a 21st Century Teacher [Jan 2020]

Dashboard > Courses > 21C Teaching

- Course Announcements
- Fill your Details on this Course entry Survey
- Introduce Yourself to Other Course Participants
- Post Your Technical Questions Here!
- Join Course Whatsapp Group by Clicking on the link

WEEK 1: 13 JAN - 19 JAN 2020 || TEACHING IN THE 21ST CENTURY

Welcome to the first week of this Online Course: Becoming a 21st Century Teacher. In this week, you will broadly learn about:

1. The motivation to shift from teacher-centered to learner-centered way of teaching.
2. Some active learning strategies that are commonly used in the classroom.
3. Some features of inherent to the teachers who 'teach in the 21st century way'.

Online Courses for Educators

- ❖ May 2020; 4 Weeks; 471 teachers; Tanzania, Rwanda, Ghana, Nigeria, Liberia, etc

The screenshot shows a course dashboard for 'Teacher Professional Development for Remote Teaching'. The navigation bar includes 'Dashboard', 'My courses', and 'OE48W2020'. The main content area lists several announcements and a 'LAVIEW' button. A section for '[Week 1] 25-31 May, 2020: Distance Education Technologies to Engage Students Remotely' is visible, with an 'Introduction to Week 1' link. The bottom of the page contains a welcome message for the first week.

Teacher Professional Development for Remote Teaching

Dashboard My courses OE48W2020

Yo

- ANNOUNCEMENTS FROM COURSE FACILITATORS ONLY
- READ HERE: How to participate Effectively in Discussions - GUIDELINES!!
- Introduce Yourself to Other Course participants
- Post Technical Questions Here
- Social Lounge (General Discussions for Everyone)
- LAVIEW

Hidden from students

[Week 1] 25-31 May, 2020: Distance Education Technologies to Engage Students Remotely

- Introduction to Week 1

Welcome to the first week of this Online Course: **Teacher Professional Development for Remote Teaching**. It is in this time when we are forced to think ways to engage students in many ways due to this COVID 19 Pandemic. We will look into technologies that we can be able to use to reach our studen

Online Courses for Educators

- ❖ Feb-March 2021; 4 Weeks; 227 teachers; Tanzania, Rwanda, Ghana, Nigeria, Liberia, etc

The screenshot shows a course page with a navigation bar at the top containing 'Dashboard', 'Courses', and '21CTeaching_3'. Below the navigation bar is a list of course activities, each with a colored circular icon: 'Course Announcements' (purple), 'Fill your Details on this Course Entry Survey' (blue), 'Introduce Yourself to Other Course Participants' (purple), 'Post Your Technical Questions Here!' (purple), 'Join Course Whatsapp Group by Clicking on the Link' (purple), 'Before the Course Starts, let us Discuss this: How has your teaching changed over the last few years? Share your experiences here' (purple), and 'LIVE! Dashboard for BlackRoll - Analyse your students learning' (blue). Below this list is a section header: 'WEEK 1: 15 FEB - 21 FEB 2021 || TEACHING IN THE 21ST CENTURY'. The main content area begins with a welcome message: 'Welcome to the first week of this Online Course: Becoming a 21st Century Teacher. In this week, you will broadly learn about:'. This is followed by a numbered list: '1. The motivation to shift from teacher-centered to learner-centered way of teaching.', '2. Some active learning strategies that are commonly used in the classroom.', and '3. Some features of inherent to the teachers who "teach in the 21st century way".'. Below the list is a paragraph: 'At the end of each learning dialog [xMO], you will be required to attempt some learning by doing activities that will allow you to immediately practice what you have learnt.'. This is followed by a sub-section header: '1.1 Motivation to Shift from 20th Century to the 21st Century Teaching and Learning'. Below this is another paragraph: 'As teachers, we have to constantly keep on evaluating ourselves on the ways we teach our students. Improving our own ways will always help to improve our teaching practices and for students. The video below explains why we need to shift to the 21st Century way of teaching.'. The final section is 'Learning Objectives', which includes a numbered list: '1. To learn about the process of shifting from 20th century teaching to 21st century teaching.' and '2. To create awareness of the features of the 21st century teachers'.

Becoming a 21st Century Teacher [Feb 2021]

Dashboard Courses 21CTeaching_3

- Course Announcements
- Fill your Details on this Course Entry Survey
- Introduce Yourself to Other Course Participants
- Post Your Technical Questions Here!
- Join Course Whatsapp Group by Clicking on the Link
- Before the Course Starts, let us Discuss this: How has your teaching changed over the last few years? Share your experiences here
- LIVE! Dashboard for BlackRoll - Analyse your students learning

WEEK 1: 15 FEB - 21 FEB 2021 || TEACHING IN THE 21ST CENTURY

Welcome to the first week of this Online Course: Becoming a 21st Century Teacher. In this week, you will broadly learn about:

1. The motivation to shift from teacher-centered to learner-centered way of teaching.
2. Some active learning strategies that are commonly used in the classroom.
3. Some features of inherent to the teachers who "teach in the 21st century way".

At the end of each learning dialog [xMO], you will be required to attempt some learning by doing activities that will allow you to immediately practice what you have learnt.

1.1 Motivation to Shift from 20th Century to the 21st Century Teaching and Learning

As teachers, we have to constantly keep on evaluating ourselves on the ways we teach our students. Improving our own ways will always help to improve our teaching practices and for students. The video below explains why we need to shift to the 21st Century way of teaching.

Learning Objectives

1. To learn about the process of shifting from 20th century teaching to 21st century teaching.
2. To create awareness of the features of the 21st century teachers

Online Courses for Educators

June 2022; 4 Weeks; 1388 teachers; Around the World



- ❖ Final Year Project with students
- ❖ **Goal:** To train school teachers on the use of Smartphones as a pedagogical tool
- ❖ Developed an Online Course
- ❖ “The Use of Smartphones in Teaching and Learning”
- ❖ For teachers and Instructors
- ❖ Uploaded on Udemy
- ❖ Link to Course:
<https://www.udemy.com/share/106z72/>

How much we have reached...

Course name	Registered
ICT for School teachers	174
Effective Teacher Trainers	16
Becoming a 21 st century Teacher	
	April 2019 198
	Jan 2020 238
	Feb 2021 202
	May 2021 102
Teacher Professional Development for Remote Teaching	471
The Use of Smartphones in Teaching and Learning	1388

Total: Over 2000 teachers have been reached

Website and YouTube Links

- ❖ Website: <https://mwalimuhub.ac.tz/>
- ❖ About Us: <https://mwalimuhub.ac.tz/about-us/>
- ❖ Online Courses: <https://mwalimuhub.ac.tz/online-courses-2/>
- ❖ F2F Teacher Training: <https://mwalimuhub.ac.tz/projects/>

YouTube Channel

<https://www.youtube.com/@teacherslearninghub2525/videos>



The image shows a screenshot of the Teachers Learning Hub YouTube channel page. At the top, there is a banner with a photo of two men looking at a laptop and the text "TEACHERS LEARNING HUB A Channel of 21st Century Teachers". Below the banner, the channel name "Teachers Learning Hub" is displayed along with the handle "@teacherslearninghub2525" and "894 subscribers". A navigation menu includes "HOME", "VIDEOS", "LIVE", "PLAYLISTS", "COMMUNITY", "CHANNELS", and "ABOUT". The "VIDEOS" tab is selected, showing a grid of video thumbnails. The first three visible videos are:

- How To Share Your Mobile Internet Package With Others** (8:16)
- How to Register and Enroll to Massive Open Online Courses in Coursera edX and Udemy** (21:35)
- Introduction to Massive Open Online Courses (MOOCs)** (11:02)

Additional text on the second video thumbnail includes "www.coursera.org" and "Discussion Forums Marking activities".

As a researcher, I publish results



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Verified email at udom.ac.tz - [Homepage](#)

EdTech ICT in T&L Teacher Professional Dev
Open Education

- ICT Integration in Teaching and Learning in Secondary Schools in Tanzania: Readiness and Way Forward
✓ LV Ngeze
International Journal of Information and Education Technology 7 (6), 424
- Learning Management Systems in Higher Learning Institutions in Tanzania: Analysis of Students Attitudes and Challenges towards the use of UDOM LMS in Teaching and Learning at ...
LV Ngeze
International Journal of Computer Applications 136 (11)
- Cascade Model of Teacher Professional Development: Qualitative Study of the Desirable Characteristics of Secondary Trainers and Role of Primary Trainers
✓ LV Ngeze, U Khwaja, S Iyer
International Conference on Computers in Education, Philippines: Asia-Pacific ...
- Online teacher communities of practice: A proposed model to increase professional development in Tanzania
✓ LH Laina, LV Ngeze
Journal of Informatics and Virtual Education 3 (51), 22-27
- Online Teacher Professional Development in ICT Integration in Tanzania: An Experience Report
✓ LV NGEZE, I Sindhar
27th International Conference on Computers in Education 1, 750-755
- iLTI-QAT: A Model to Orchestrate Interaction Sessions in Hybrid MOOCs
D Nettikadan, LV Ngeze, H Sukhathankar, JM Warsam
2018 IEEE Tenth International Conference on Technology for Education (T4E) ...
- Developing a model for effective cascaded school teacher training on ICT integration in Tanzania
✓ LV NGEZE
27th International Conference on Computers in Education Conference 1, 801-805
- From Emergency Remote Teaching to Effective Online Learning: A Teacher Professional Development Case Study from Higher Education in India
A Rana, A Rana, L Ngeze, S Murthy, S Iyer
Global Perspectives on Educational Innovations for Emergency Situations, 265-274
- Teachers Co-creating for Teachers: Design and Implementation of an Online Teacher Professional Development Course in Sub-Saharan Africa
✓ LV Ngeze, I Sindhar
Global Perspectives on Educational Innovations for Emergency Situations, 35-44
- From Teaching to Teacher Training: Embedding Important Skills Needed to Develop a Teacher Trainer in Cascaded Teacher Professional Development Programmes
✓

In India 2017-2022

- ❖ Doing my PhD in Educational Technology
- ❖ Department of Educational Technology
- ❖ Indian Institute of Technology Bombay, IIT Bombay in Mumbai
- ❖ Lots of practical experience in MOOC Design
 - LCM Model: <https://lcm-model.org/>
- ❖ Implemented MOOCs in Faculty Development Programmes
 - MOOC Platform: <https://iitbombayx.in/>

University Teaching Staff in Africa

- ❖ Role: Facilitator
- ❖ Date: May 2021
- ❖ *Task:* To facilitate a workshop titled “Association of African Universities (AAU) Virtual Training Workshop on Online Teaching of Practical-Oriented Disciplines”
- ❖ *Audience:* Professors, Lecturers and Researchers from various Higher learning Institutions in Africa

Blended/Online T & L University of Dodoma (UDOM)

Broad Goal: To train UDOM academic Staff on Blended Teaching and Learning

14-15 February 2023

Trained Principals,
Deans and Directors



Enhancing the Quality of Secondary Education in Zanzibar, Tanzania

Project duration:
2021-2024

Competence-
based Curriculum
Implementation in
Zanzibar

ICT Integration in T
and L



THANK YOU

Contacts



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