2023

Annual Report

Empowering Tanzanian Education Through Innovative Edtech Solutions

camara education Tanzania
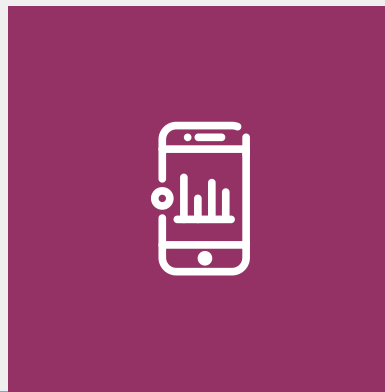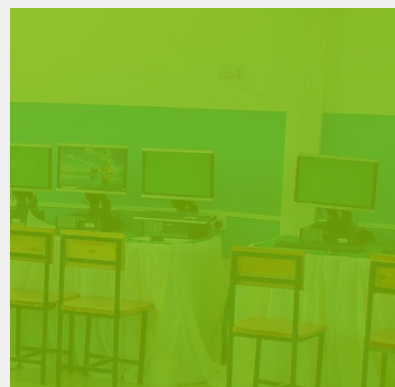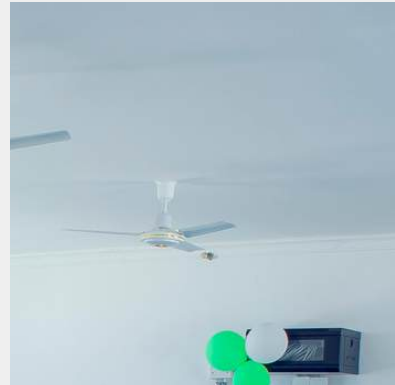
A WORD FROM THE COUNTRY MANAGER

Dear Esteemed Friends and Supporters,

With great enthusiasm, I share the 2023 Annual Report, celebrating our journey towards making quality education accessible in Tanzania through technology. This year has been pivotal, filled with progress, resilience, and dedicated efforts towards our mission in educational technology.

We've focused on sustainability, impactful partnerships, and program enhancement, leading to remarkable achievements:

- Signing a five-year MoU with the Ministry of Education and local authorities to support 75 schools with e-learning centres.
- Collaborating with the Tanzania Education Authority to equip 15 schools with e-learning centres.
- Launching new training programs, benefiting over 300 teachers in 20 schools.
- Implementing a computer usage tracking system in fifteen schools, enhancing our understanding of e-learning centre utilization.
- Completing our first Youth Digital Skills program cohort, followed by a comprehensive program evaluation and redesign.

These milestones were possible thanks to the dedication of our team, volunteers, partners, and donors. Your unwavering support fuels our commitment to transforming education in Tanzania.

We're excited about new opportunities and partnerships that promise to deepen our impact.

DAYANI MBOWE
COUNTRY MANAGER

Organization Overview

Camara Education Tanzania is a social enterprise dedicated to delivering real impact through technology by empowering young generations to improve their life opportunities. Camara Education Tanzania (CTZ) was established as a non-governmental organization (NGO) in 2012, under the registration number 00NGO/00006076

Camara Education Tanzania is part of an international group of charities and NGOs, first established in 2005 in Dublin, Ireland, and now with registered charities in the UK and Ireland and additional educational hubs in Ethiopia, Kenya, and Zambia.

Mission, Vision & Values

1 Our mission is to transform education using technology to empower disadvantaged Youth.

2 Our vision is a world-class technology-enabled education accessible to all.

3 We believe quality education and youth empowerment are excellent tools to alleviate poverty. Thus, we aim to use technology to improve educational outcomes and empower the young generation to improve their opportunities. Our founding beliefs are:

- Poverty is unacceptable in the 21st century.
- Education is the key to alleviating poverty.
- Technology can improve education radically
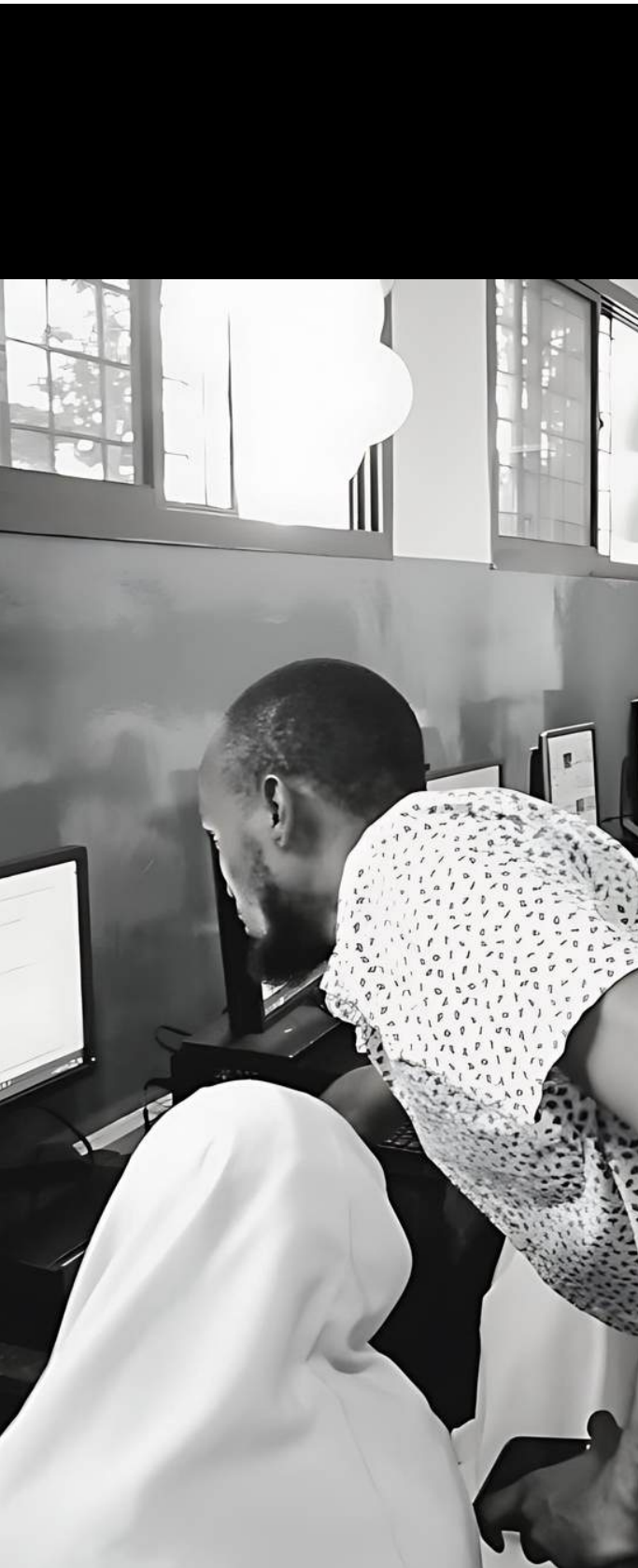
2023 Overview

Youth Digital Skills

This year marked a significant achievement as 12 out of the 15 students enrolled in our Youth Digital Skills Program completed their courses and transitioned into the workforce, gaining invaluable real-world experience.

As they embarked on their professional journeys, they encountered and overcame various challenges during their internship phases. Despite the hurdles, most graduates demonstrated remarkable resilience and adaptability while working with various companies.

Strong Partnerships

We have successfully partnered with the Tanzania Education Authority, aiming to equip 15 schools with e-learning centres, capacity building, and technical support. We worked with four schools in 2023 and plan to scale this further to 6 in 2024. We also partnered with So They Can (STC) and conducted mobile learning training for 304 teachers in Babati.

Our five-year MoU with the Ministry of Education Science and Technology (MoEST) and the Ministry of the President Office Regional Administration and Local Government Authorities (PO-RLAG) was one of the major successes. It allows us to equip 75 secondary schools with e-learning centres across 11 regions under NASOMA project.

Enhanced Program Delivery

We have revamped our Edtech leadership training and delivered the new training in two schools. We have also designed a new training program (Mobile Learning) addressing the skills gap in utilizing tablets provided to teachers by the government in all public schools.

To enhance our impact assessment, we rolled out our computer usage tracker to 15 schools across the contract and will be installing this in all new schools moving forward.

Financial Sustainability

We have scaled our fundraising efforts, engaging donors and funders within and outside the country. With the help of our Camara HQ, we have raised funds to support twenty new schools in 2024 under the NASOMA project and other related projects.
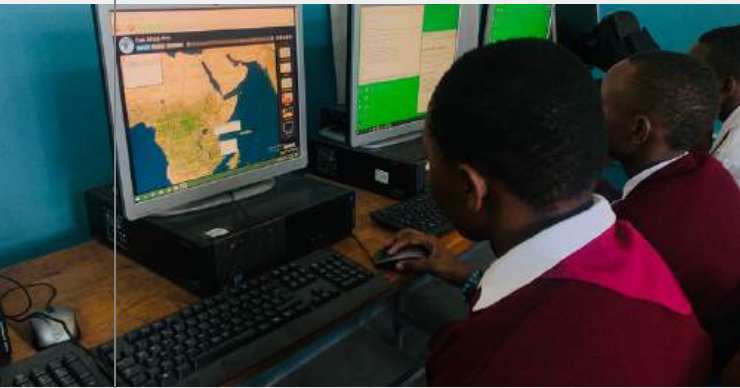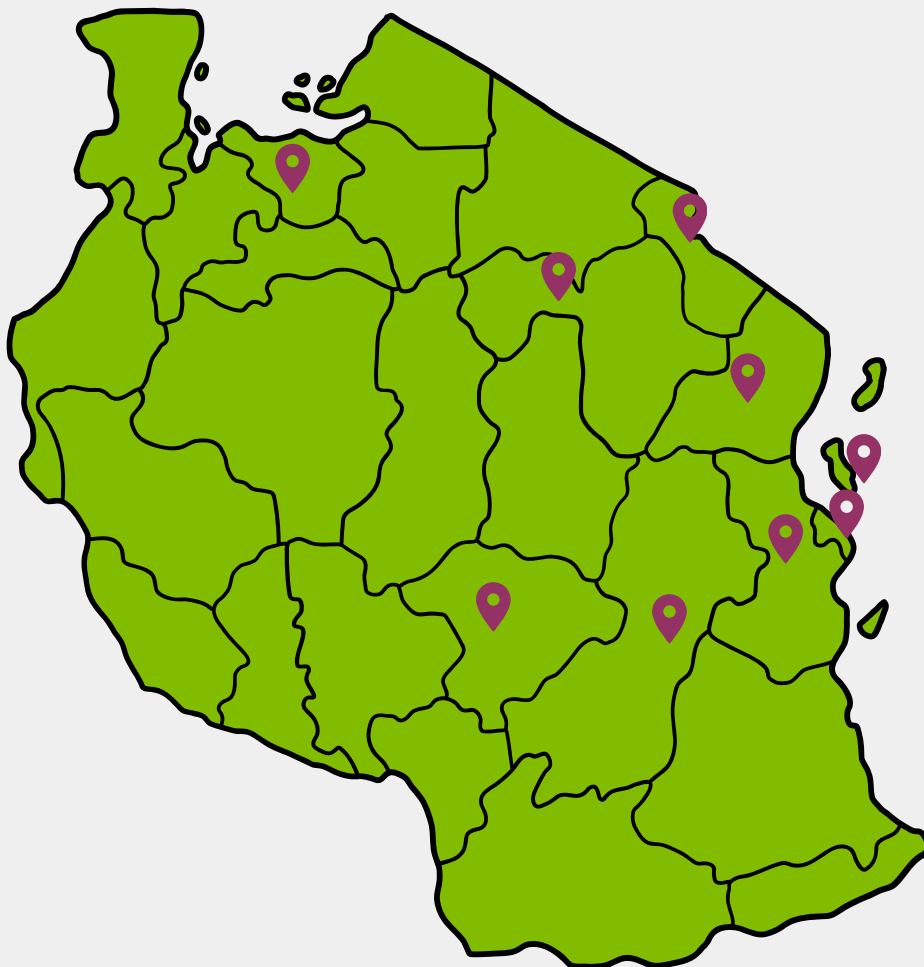
07
E-Learning Centers

23
Former Schools

09
Regions

2023 Coverage

In 2023, we installed eight new 8 e-learning centers in seven schools. We also conducted training, maintenance and technical support to 23 former schools. A total of 30 schools across 09 regions were served, benefiting over 300 teachers and impacting more than 20,000 learners.

NASOMA Project

We have commenced implementing the NASOMA project, aiming at equipping 75 public secondary schools with e-learning centres within five years. The project focuses on 11 regions of Tanzania's mainland, covering all 11 education zones across the country and implemented under a partnership with the President's Office of Regional Administration and Local Government Authorities (PO-RLAG) and the Ministry of Education Science & Technology (MOEST).

We have completed lab installation and training in two schools in Dar es Salaam (Jamhuri & Diplomasia), and we have commenced installation at the third school located at Korogwe, Tanga (Mazinde Day). We plan to install 15 new schools in 2024 for project implementation. This project will enhance technology integration in these schools as PO-RLAG will ensure qualified ICT teachers are allocated in each of these schools. The MOEST will use school quality assurance officers to follow up with these schools to monitor and evaluate the project.

The project will also engage local government authorities from the regional, district, and ward levels to ensure these schools receive full support for effective project implementation. We have trained 63 teachers and 17 school leaders and installed 78 computers for the 2023 project implementation.

2 Regions

3 Schools

78 Computers

Tanzania Education Authority

Our MOU with the Tanzania Education Authority marks a significant step forward in our commitment to advancing educational opportunities nationwide. Under this three-year agreement, we aim to support 15 schools annually, focusing on providing essential technological resources and training.
In the first year of implementation, we have successfully provided 104 computers to four schools, laying the groundwork for enhanced learning experiences.

Over the next three years, our primary objective is to extend our support to 15 schools annually, with a key focus on equipping them with vital technological tools and training programs. The initial phase of the initiative has already seen the successful provision of 104 computers to four schools, setting the stage for a more enriched and interactive learning environment.

Looking ahead, our commitment remains steadfast in the provision of computers to these schools, while the Tanzania Education Authority will take charge of addressing the training requirements for both educators and students.

Through this strategic partnership, we are reaffirming our unwavering commitment to nurturing a learning ecosystem that is infused with technology, thereby empowering the youth of Tanzania to thrive and excel in the digital age.

So They Can
Teachers Mobile Learning

In 2023, a transformative five-day training course was introduced to empower teachers in integrating government-provided tablet devices into their instructional practices. The initiative aimed to enhance educators' ability to utilize technological tools, particularly tablets, in teaching, learning, and administrative tasks.

The training, funded by So They Can, benefitted 308 teachers from 16 schools across the Manyara region, including Samta Primary Endamaghai, Kwaraa, Endanoga, and others. The sessions covered Mobile Learning Basics, Teaching and Learning, and Mobile Learning in Action, equipping teachers with essential skills.

The geographical diversity of the participating schools underlines the widespread impact of this initiative in fostering a technologically enriched educational landscape across the Manyara region. We value our partnership with So They Can (STC) and are committed to further deepening our collaboration to bolster educational technology integration in schools.

308 Trained Teachers for 15 Hours each.
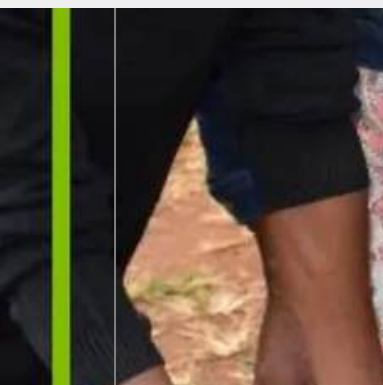
16 Primary Schools in Manyara
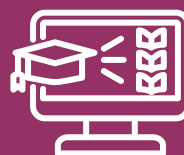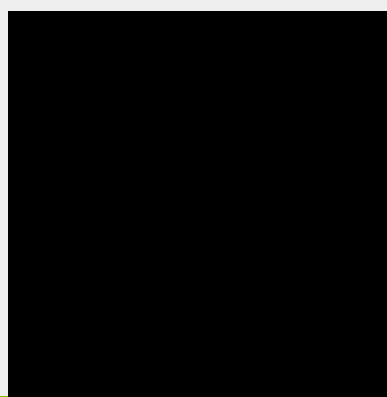
3 Modules Covered

Automation Anywhere
Moshi Tech Sec School

With a generous donation from Automation Anywhere Inc., we upgraded the Moshi Tech Sec School computer lab, equipped it with 25 computers and servers, and conducted refresher training. We were lucky to be visited by Automation Anywhere CEO and founder in July, and he got a chance to see the school and meet with teachers and students.

The visit to Moshi Technical Secondary School commenced with a meeting with Principal Mr. Philipo Mwanga, highlighting the school's collaboration with Camara and the benefits of technology integration. A tour showcased classrooms, labs, and workshops, with students demonstrating computer applications like coding and geography studies.

Mr. Mihir Shukla addressed over 50 enthusiastic students, sharing his journey and emphasizing opportunities in technology. The event concluded with gratitude from the school, Camara Tanzania, and Automation Anywhere, and a special gift was presented to Mr. Mihir. The event underscored the importance of technology in education and the commitment of all parties involved in advancing Edtech in schools.

Helios Towers
Mkwajuni Sec School

Mkwajuni Secondary School, as the second beneficiary of community investment from Helios Tower Tanzania, has received a fully equipped computer lab, marking a significant milestone in our partnership. We successfully trained 27 teachers and seven school leaders and conducted two hours of student awareness training.

The inauguration ceremony was graced by the presence of the global Chief Executive Officer of Helios Towers from the UK, Mr Tom Greenwood, along with the Managing Director for Tanzania, Gwakisa Stadi. With the generous support of Helios Tower Tanzania, the school now has the resources necessary to integrate education and technology seamlessly.

The training provided to teachers and students ensures they are equipped with the skills to effectively utilize these technological resources, paving the way for enhanced learning experiences and opportunities for the students at Mkwajuni Secondary School.

27 Teachers trained for 5 days.

7

School Leaders Trained

YOUTH DIGITAL SKILLS

PEOPLE BEHIND THE BRAND

HANDS-ON TRAINING

FIELD WORK

MENTORSHIP

GRADUATION

Our Youth Digital Skills Program has been completed, with 12 youths equipped with the essential digital skills needed in today's digital era.

This achievement offered newfound opportunities for financially independent individuals who had previously faced challenges in accessing education and employment opportunities.

Among the participants, six youths have secured direct employment opportunities with national companies, while others have embraced freelancing as a livelihood. We are thrilled with the outcomes of the pilot project, which spanned seven months

and served as a transformative experience for the youths in Dar es Salaam.

One of the program's beneficiaries, Janeth George, shares her inspiring journey of change,

"*My name is Janeth George, a young girl born in 2003 Through the Youth Digital Skills Program implemented by Camara. I am now employed by Dospects Studio. My family believed in marriage, and I struggled to break free from that expectation due to financial dependence on them. But now, after completing the program, I have gained employable skills and managed to get work. Many thanks to Camara Education, Tanzania.*"

Mental Health Project

Botnar Foundation

In 2023, we successfully concluded the Mental Health Project that we have been implementing since 2021 with our partners Oversee Development Initiative (ODI) and the Tanzania Training Centre for International Health (TTCIH). This research project focused on developing digital and non-digital solutions for overcoming mental health challenges among adolescents in Tanzania.

Collaborating with TTCIH as the lead implementer, our role focused on supporting the co-design and co-creation of digital solutions and their implementation in four project schools.

As part of the project's culmination, we developed a final report and disseminated the research findings to various stakeholders nationwide.

The findings highlighted the significant impact of digital interventions, particularly in enhancing students' awareness of mental health issues. This achievement underscores our commitment to using digital tools to address critical social issues and leveraging technology to positively impact Tanzanian youth's well-being.

The adolescents co-created a solution that combines a computer-based platform with in-person activities. The computer-based platform encompasses a digital library with interactive mental health resources and a mood tracker app, which invites adolescents to log their daily mood and reflect on the factors that might influence how they feel.

ICT Clubs

In 2023, our ICT club extended its reach to established schools like Uhamiaji, Diplomasia, and Shaaban Robert Secondary School. Additionally, we inaugurated new ICT clubs in two schools. Kurasini kicked off its club in January after receiving 26 computers donated by Helios Tower in the previous year. Another club took root at Jamhuri Secondary School in August, boosted by donating 25 computers from an Irish donor.

We successfully enrolled students as follows: 30 students (15 female & 15 male) at Uhamiaji School, 24 (12 female & 12 male) at Diplomasia School, 24 (12 female & 12 male) at Kurasini Secondary School, 18 (8 male & 10 female) at Shaaban Robert School, and 25 (13 male & 12 female) at Jamhuri Secondary School. In total, 121 students joined, with 60 males and 61 females.

This year's ICT club's curriculum covered various subjects, encompassing Introduction to ICT, Computer Basics, Camara Portal, Microsoft Word, Microsoft Excel, and coding.

Completion of Club Sylabus

67% - 82%

Girls to Boys

7 : 2

Other Programs

Maintenance for Dar & Pwani Schools

In 2023, we initiated an initiative to provide free maintenance for schools in Dar es Salaam and Pwani regions that we had serviced within the past five to seven years. We offered this free maintenance service to 18 schools, with 14 in the Dar es Salaam region and 4 in the Pwani region. Among these schools, 13 were private, and five were government-owned.

Many of the computers in these schools had minor issues, and due to a lack of expertise and funds to renew maintenance contracts, they could not utilize these devices. Therefore, this initiative also included teacher training on preventive and corrective maintenance conducted by trainer-of-trainers or ICT teachers.

Edtech Leadership Training

The Edtech Leadership training course aimed to empower school leaders, engage parents, and effectively integrate educational technology (Edtech) into their schools. Targeting five leaders per school, the comprehensive three-day program focused on managing and implementing Edtech initiatives. In 2023, 15 leaders from Mkwajuni Secondary School in Zanzibar and Jamhuri Secondary School in Dar es Salaam underwent training, with a gender ratio of 5 female and 10 male participants.

Topics included Edtech Overview & Vision, developing Edtech plans, and implementation strategies. The initiative aimed to enhance leadership knowledge and ownership, fostering positive teaching, learning, and administrative efficiency changes through strategic Edtech integration.
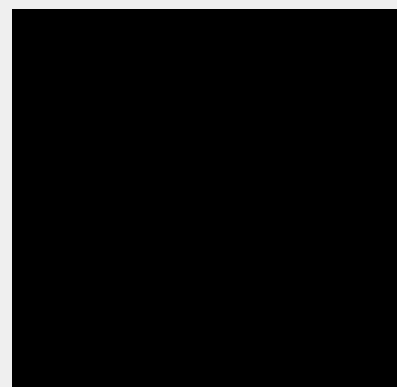
Monitoring, Evaluation & Learning

With the launch of our Camara Computer Network Monitoring System (CCNMS), we have been able to track the actual usage of computers in the new e-learning centres we installed in 2023. This system has massively improved the accuracy of our MEL activities, as we can clearly understand when computers are being utilized, what apps are being used and what educational content is being accessed. Despite being in its first year of full utilization in Tanzania, we have obtained valuable insights that will help us improve our programs.

In addition to the valuable insights gained from (CCNMS), our organization continues to employ various data collection methods to enhance our understanding of the impact of our e-learning centres. Through interviews with school leaders, teacher questioning, and classroom observations, we can gather qualitative and quantitative data that provide a comprehensive view of the effectiveness of our programs. By combining the technological advancements of the CCNMS with traditional data collection approaches, we are better equipped to make informed decisions and further improve our initiatives.

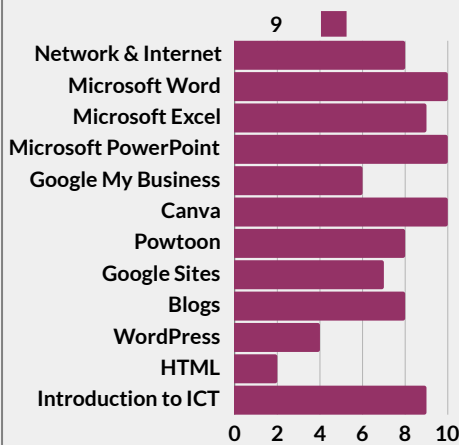| 26	84	336
NEW SCHOOLS SUPPORTED	FORMER SCHOOLS	COMPUTERS DISPATCHED

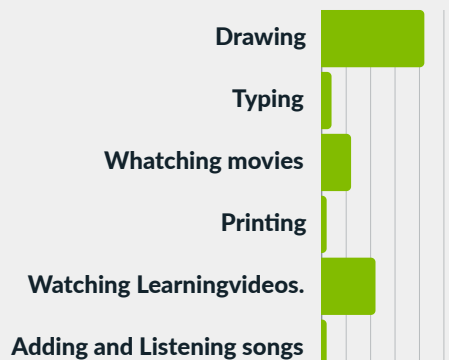| 20,876	357
IMPACTED LEANERS	TRAINED EDUCATORS

Monitoring Evaluation & Learning...

This section presents some of the data we collected during the MEL visit, and they have been selected from different schools to showcase what we collected as part of MEL. Data on graphs no one to three came from our interviews and surveys with teachers, while data on graphs 4 & 5 came from automated usage tracking in each school.
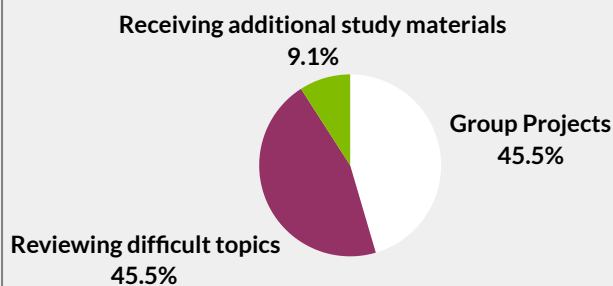
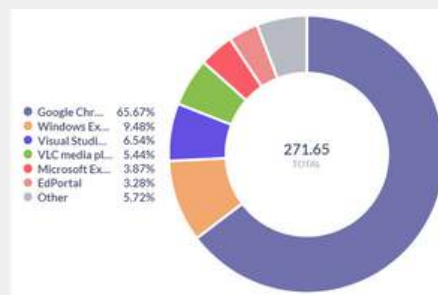## 1. What topics have you understood well so far?

- Network & Internet
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Google My Business
- Canva
- Powtoon
- Google Sites
- Blogs
- WordPress
- HTML
- Introduction to ICT

0 2 4 6 8 10

2. Besides self-study, what else do you do on the computer?

- Drawing
- Typing
- Whatching movies
- Printing
- Watching Learningvideos.
- Adding and Listening songs

0 5 15 25

3. Which method help you learn more?

Receiving additional study materials 9.1%

Group Projects 45.5%

Reviewing difficult topics 45.5%

4. Apps Usage

Google Chr...	65.67%
Windows Ex...	9.48%
Visual Studi...	6.54%
VLC media pl...	5.44%
Microsoft Ex...	3.87%
EdPortal	3.28%
Other	5.72%

271.65 TOTAL

5. Computer Usage Data from Schools

School Name	Clients	Gross Time (Hrs)	Idle Time	Active Time	Country	Region	Projects	Last Day of Sync
UHAMIAJI	38	10,876.82	5,079.47	5,797.35	Tanzania	Dar es Salaam	CEL	2024-04-25 15:20:10 - (21)
DIPLOMASIA	38	5,185.62	1,710.42	3,475.19	Tanzania	Dar es Salaam	CEL	2024-02-22 13:43:55 - (84)
JAMHURI	39	7,042.21	3,866.52	3,175.69	Tanzania	Dar es Salaam	NASOMA	2024-04-30 13:55:39 - (16)
KURASINI	25	4,586.18	1,964.78	2,621.41	Tanzania	Dar es Salaam	HELIOS	2024-04-08 16:10:12 - (38)
KURASINI	27	2,979.47	1,290.60	1,688.87	Tanzania	Dar es Salaam	HELIOS	2023-11-02 15:19:21 - (196)
MKWAJUNI	27	1,439.37	884.97	554.4	Tanzania	Zanzibar North	HELIOS	2024-05-03 10:20:21 - (13)

The usage tracking allows us to hold the school accountable and ensure it fully utilizes the computer labs and understand what apps, educational content and sites students use.

Testimonials from Our Beneficiaries

Mathias Shilinde - Student, Diplomasia Sec, Dar Es Salaam

Before joining in the ICT club, I was hesitant about technology, but now I feel more comfortable navigating the digital world. I appreciate the skills I've gained, and I can see how they will open up new opportunities for me.

Mr Ussi Kombo, ICT Teacher, Mkwajuni Sec, Zanzibar

Before the introduction of computers, practical teaching was challenging in the school. The incorporation of computers and ICT resources is expected to enhance practical learning and students' awareness of taught subjects.

Madam January Munis, Administrator, Mama Clementina Academy, Moshi

I'm glad to receive this training on edtech leadership, what I have learned will help me to better manage the lab and support ICT within the school. I wasn't familiar with many of the concepts covered, this will a positive impact on my role and school in general.

Irene Gabriel - Graphic Design Graduate, YDS Program

Before starting the training, I aspired to be a soldier, but that path wasn't accessible. This program became a way for me to acquire additional skills. Now, my ambition is to excel as a graphics designer, leveraging the skills I've obtained.

Accounting & Finance

We have diligently kept our operational expenses to a minimum, guaranteeing the organization's ability to fulfil its mission effectively despite facing numerous challenges. Building upon the groundwork laid in 2022, when we streamlined hardware procurement and diversified our fundraising strategies, we anticipate a positive trajectory in our financial standing. Our concerted efforts are geared towards expanding our support to additional schools and scaling our operations, thereby extending the benefits of educational technology to a more significant number of learners.

Despite challenges in securing local funding, our board of directors has been keen on supporting our programs to ensure they operate effectively. We expect our finances in 2024 will be much better compared to 2023. Our fundraising efforts in 2023 have been very successful, securing enough funds to support over 15 new schools in 2024.

$38.45K
Direct Project Cost

$50.48K
Total Grants

$57.23K
Current Assets

$2.65K
Non-Current Assets

Admin & Compliance

Our Team

In 2023, we had a team of 11 staff, a diverse group of individuals, each bringing their unique skills and perspectives. Alongside our core team members, we were fortunate to have the valuable support of short-term volunteers who brought fresh energy and enthusiasm to our projects. Their contributions added a dynamic element to our work, injecting new ideas and perspectives into our processes. The camaraderie and mutual support within our team were truly the cornerstone of our accomplishments in 2023.

Audits

In May 2023, we conducted the 2022 audit for CamTech and Camara, which was later submitted to the Tanzania Revenue Authorities (TRA). Following this, TRA conducted a standard tax audit covering the previous five years, and we have duly settled all necessary taxes, duties, and levies.

NGO Registrar

The NGO registrar's office has received all quarterly reports for 2023, in addition to our NGO's annual report for 2022. Furthermore, contracts for project funding in 2023 have been submitted for evaluation and approval.

Board Meeting

Throughout 2023, we conducted two scheduled board meetings in accordance with our constitutional responsibilities. During these sessions, the board reviewed performance reports, provided guidance, and addressed operational issues within the organization.
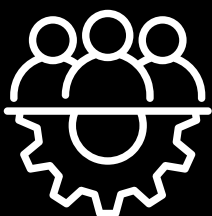
17

Total No of Staff, Intern & Volunteers in 2023

Thinking Ahead: 2024 & Beyond

As an educational technology NGO committed to transforming education in Tanzania, our focus for 2024 is centred around three key pillars:

Deepening Impact in Our Edtech Programs:

- Building upon the successes of previous years, we aim to deepen the impact of our educational technology (Edtech) programs. This involves refining and expanding our initiatives to reach more students and educators through targeted interventions that enhance learning outcomes, improve digital literacy, and foster innovation in teaching methodologies.

**Systematic Integration of Edtech in Schools:**

- In 2024, we will prioritize the systematic integration of Edtech into Tanzania's educational ecosystem. This involves working closely with schools, academic authorities, and other stakeholders to develop comprehensive strategies for effectively implementing technology in classrooms.

Local Fundraising:

- Sustainable funding is essential for the long-term success and sustainability of our initiatives. In 2024, we are dedicated to strengthening our local fundraising efforts and engaging with communities, businesses, and philanthropic organizations to garner support for our cause.

In pursuit of these objectives, we remain committed to leveraging technology to empower learners, educators, and communities across Tanzania. Through collaboration, innovation, and a steadfast dedication to our cause, we are confident in our ability to create positive and lasting change in education. Together, let us continue to pave the way towards a brighter future for education in Tanzania.

Impactful Edtech Program

Systematic Edtech Integration

Local Fundraising
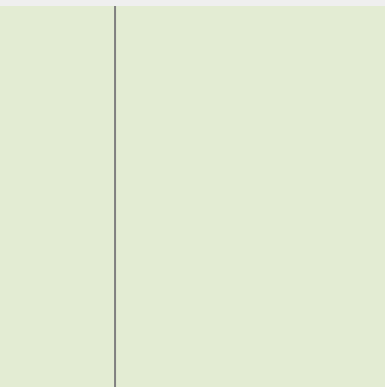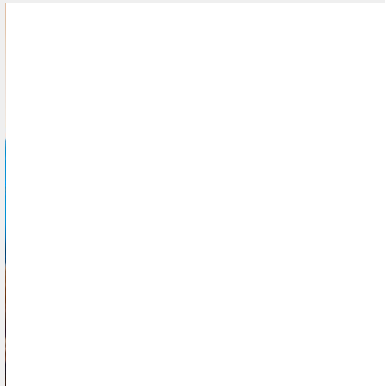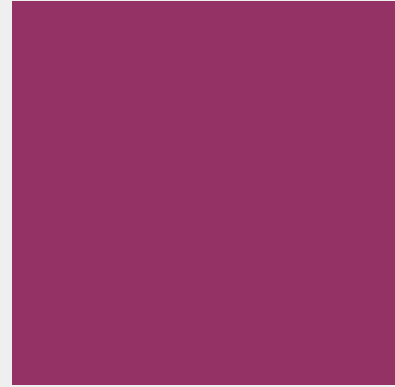
Thank You

Thank you for your continued support and belief in our cause. Together, we're making a lasting difference in Tanzanian education and beyond.

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