



Annual Report

Jan - Dec 2022



Message from Country Manager



Dear Friends and Supporters,

I am delighted to present the Annual Report for 2022, showcasing our resolute dedication to providing accessible and high-quality education in Tanzania through the innovative utilization of technology.

The past year presented global challenges as we all grappled with the aftermath of the COVID-19 pandemic, which disrupted various aspects of our lives. Nevertheless, our team demonstrated unwavering determination to adapt and persevere in delivering impactful programs that support Tanzania's education sector.

In 2022, our primary focus was to fortify support for the schools where we had previously installed labs, enhance our monitoring and evaluation activities, and strengthen local fundraising efforts. We embraced a collaborative approach to achieve these goals, working closely with local and international organizations, government agencies, and schools. This collaborative effort enabled us to leverage our unique skills, resources, and expertise, thereby facilitating the implementation of effective and sustainable programs that addressed the most pressing challenges faced by our beneficiaries.

One of our notable achievements in 2022 was the successful execution of the Big Give project, which aimed to provide technical support and refresher training to 50 schools that we had equipped over the past 7 years. Through this initiative, we successfully trained over 500 teachers and significantly improved access to and utilization of digital learning resources for students who may have otherwise been left behind.

The accomplishments of 2022 were made possible by the unwavering dedication of our staff, volunteers, partners, and donors. I extend my sincerest gratitude to all of you for your steadfast support and unwavering commitment to our cause.

Looking ahead, we remain steadfast in our mission to transform education not only in Tanzania but also beyond. We are excited to explore new opportunities and forge partnerships that will enable us to continue delivering innovative and impactful programs.

Once again, I express my heartfelt appreciation to all of you for your unwavering support and commitment to our organization. Together, we can continue to make a significant and lasting impact on education in Tanzania and beyond.

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 own 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 also in the UK and Ireland, and additional educational hubs in Ethiopia, Kenya, and Zambia.



Mission & Vision
Our **mission** is to transform education using technology to empower disadvantaged Youth.

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

Our Values

01. Committed

We deliver results.

02. Collaborative

We achieve more by working together

03. Caring

We care for our people and those we serve.

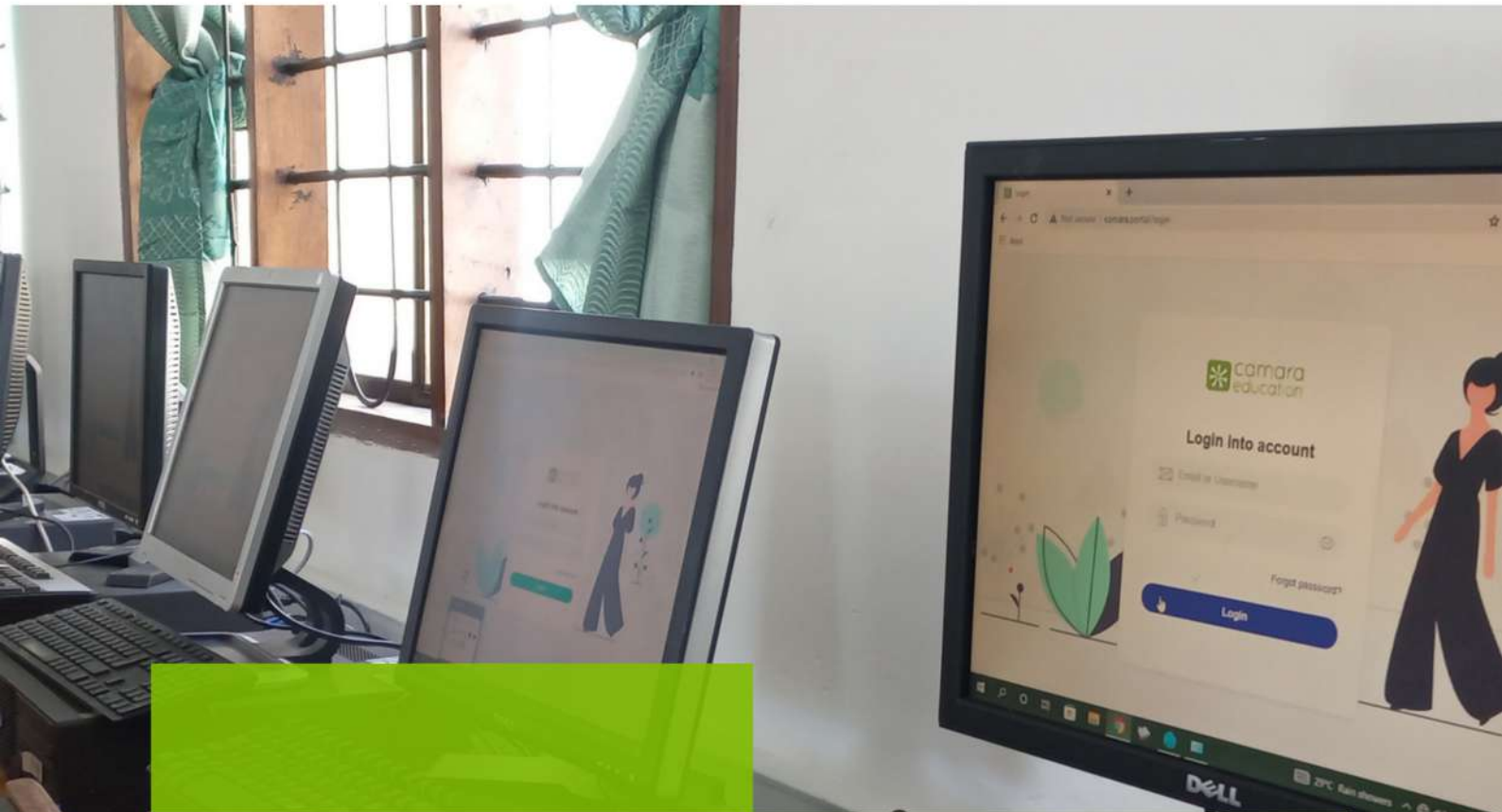
04. Creative

We innovate to solve problems

Our Founding Beliefs

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

- Poverty is unacceptable in the 21st century.
- Education is the key to alleviating poverty.
- Technology has the ability to radically improve education



2022 Overview

01 Big Give Project

We have completed maintenance and refresher training to 50 former schools. We maintained 257 computers and retrained 561 teachers while conducting ICT awareness training to 1786 students.

02 Youth Digital Skills

We designed and launched a Youth Digital Skills training program aiming at equipping youth with employable digital skills. We have enrolled 12 youth for 8 months, helping them to Kickstart their carrier in tech.

03 Board Visit

Our global board, friends, and donors visited Tanzania. They had a chance to visit schools that we have worked with, meet with Government officials as well as spend some days in Ngorongoro and Tarangire to witness the beauty of our country.

04 Sustainability

To enhance the sustainability of our computer labs, we have engaged the Ministry of Education and President Office for Regional Administration & Local Government authority to develop a plan to ensure sustainability of the computer labs.

2022 Coverage



In 2022, we served 86 schools from 18 regions across the country through ICT equipment provision, maintenance, training and technical support. We also continued to provide remote technical support to all our former schools, ensuring they can fully utilize the resources they have.

EQUIPMENT

555 Desktops
62 Laptops

SCHOOLS

60 Former Schools
26 New Schools

BENEFICIARIES

6,588 Students
683 Teachers



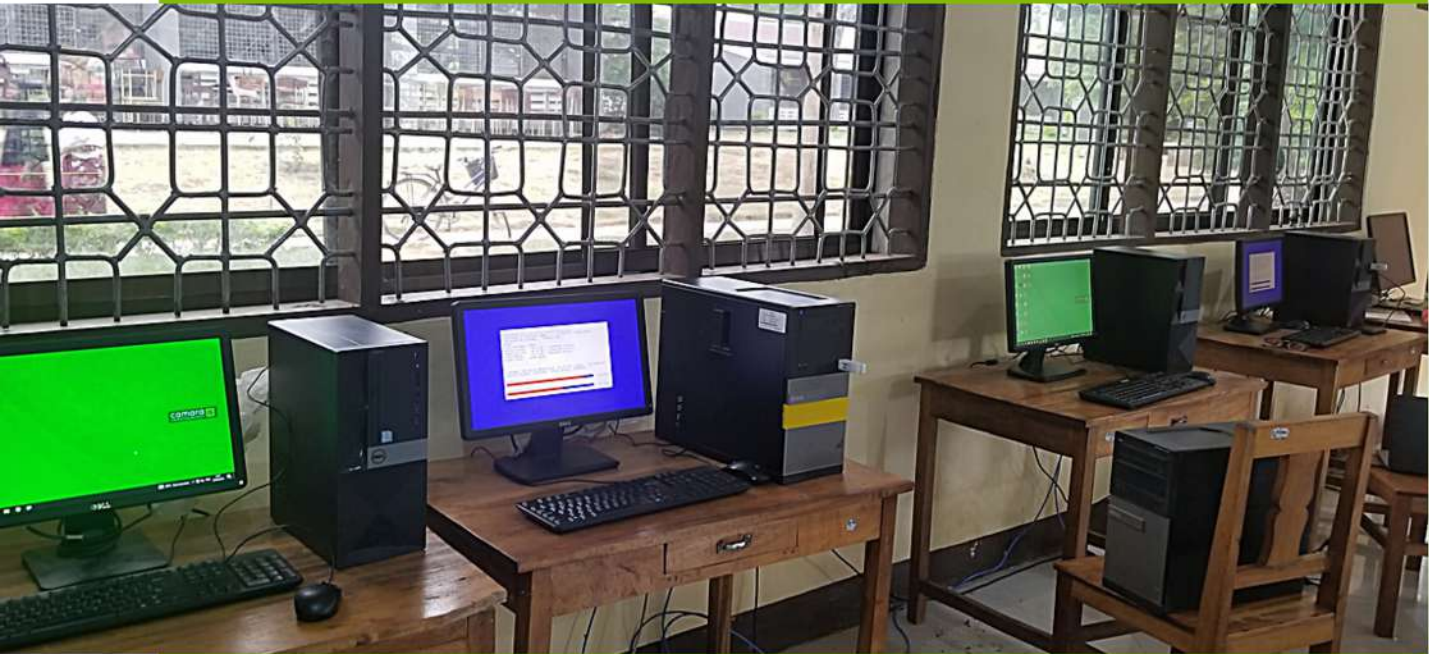
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Projects successfully implemented in 2022

Projects Update



Big Give Project



A Brief Project Overview

The Big Give project aimed to enhance the integration of technology in 50 secondary schools. These schools already had computer labs funded by Camara, the government and other stakeholders, but they were facing several challenges in utilizing them.

The project targeted schools with at least 10 computers or more in 14 regions (Tanga, Kilimanjaro, Morogoro, Iringa, Arusha, Manyara, Mtwara, Ruvuma, Dodoma, Iringa, Mwanza, Shinyanga, Pwani and Mbeya.)

Maintenance & Upgrade

Preventive and corrective hardware maintenance to all school ICT equipment to ensure they can be utilized for teaching and learning. Upgrading computer operating systems, loading more educational applications, and installing computer usage tracking

Refresher Training

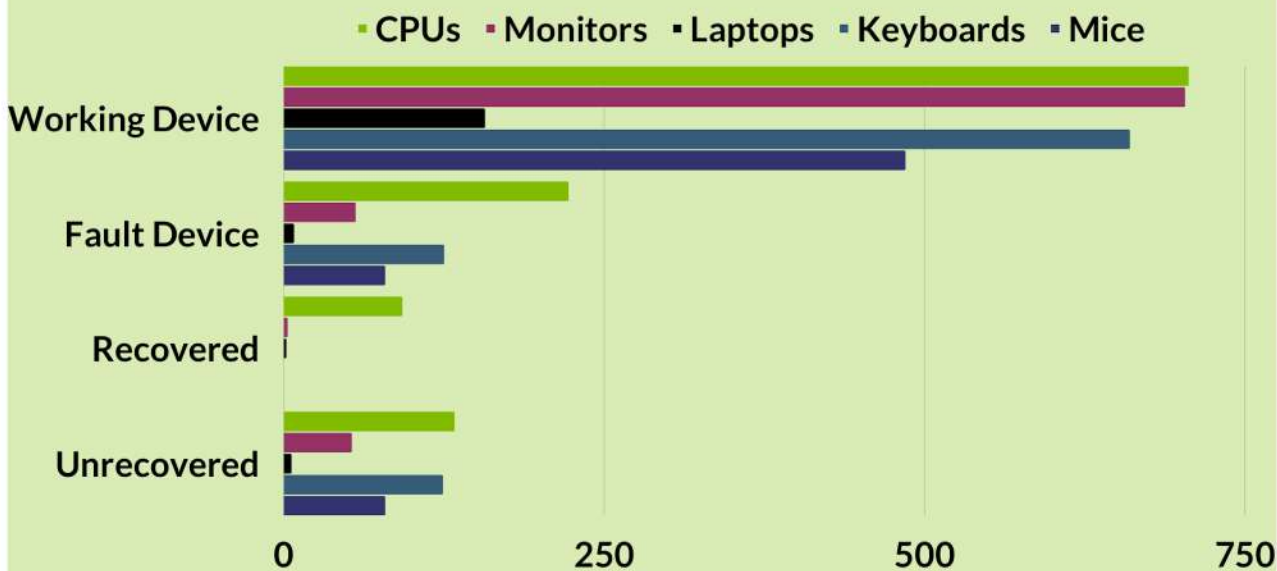
Twelve hours of face-to-face hands-on ICT refresher training to enhance their existing knowledge and equip them with new ICT skills. This is a crucial part for teacher's continuous professional development.

Students ICT Awareness

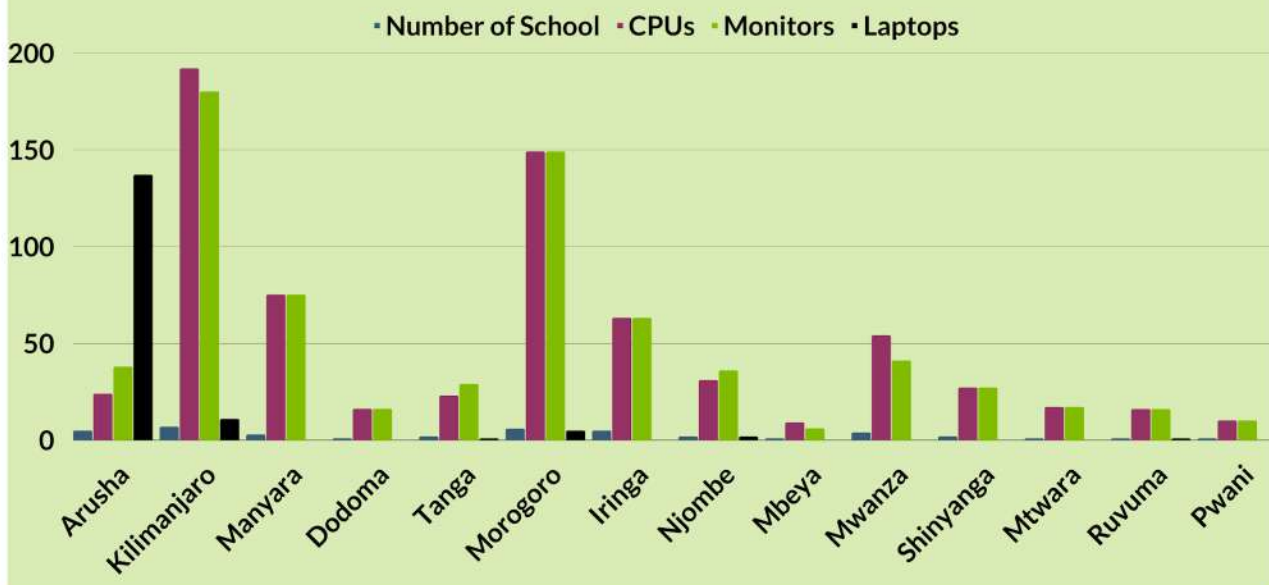
Two hours of training for students as future workers and entrepreneurs to influence their attitudes and behaviour in the use of ICT while guiding them on how to utilize educational resources loaded on computers.

Hardware Summary

Total Available Devices & Status



Equipment Status Per Region



*Additional data can be found at the last pages of the report.

Youth Digital Skills (YDS)

A Brief Overview of the Program

We launched the Youth Digital Skills training program in June for 12 participants from impoverished and marginalized families. The program train youth for 6 months, attach them to different internship opportunities for 2 months and provide them with career guidance that will help them kick-start their career in tech.

At the end of the program, participants will specialize in digital marketing, software development, or graphics design. The program will be going on until Feb 2023 when youth complete their two-month internship and will help them start their career as freelancers or get employment opportunities.



Program Design

The program was implemented for 8 months at Camara Education Offices in Kurasini where youth will spend an average of 7 hrs a day on training and self-practice.

Both face-to-face and online training have been used to ensure youth acquire skills and knowledge to kickstart their career in tech.

Targeted Youth

The program targeted youth who completed form four or form six, but couldn't proceed with their further studies due to financial difficulties facing their families.

Most of these youths had spent about two years since completed their school and were just at home with no hope of going back to school.

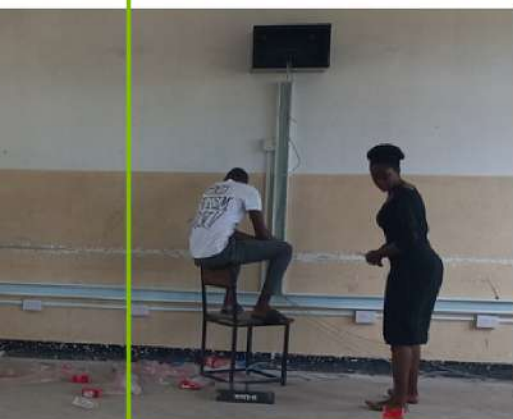
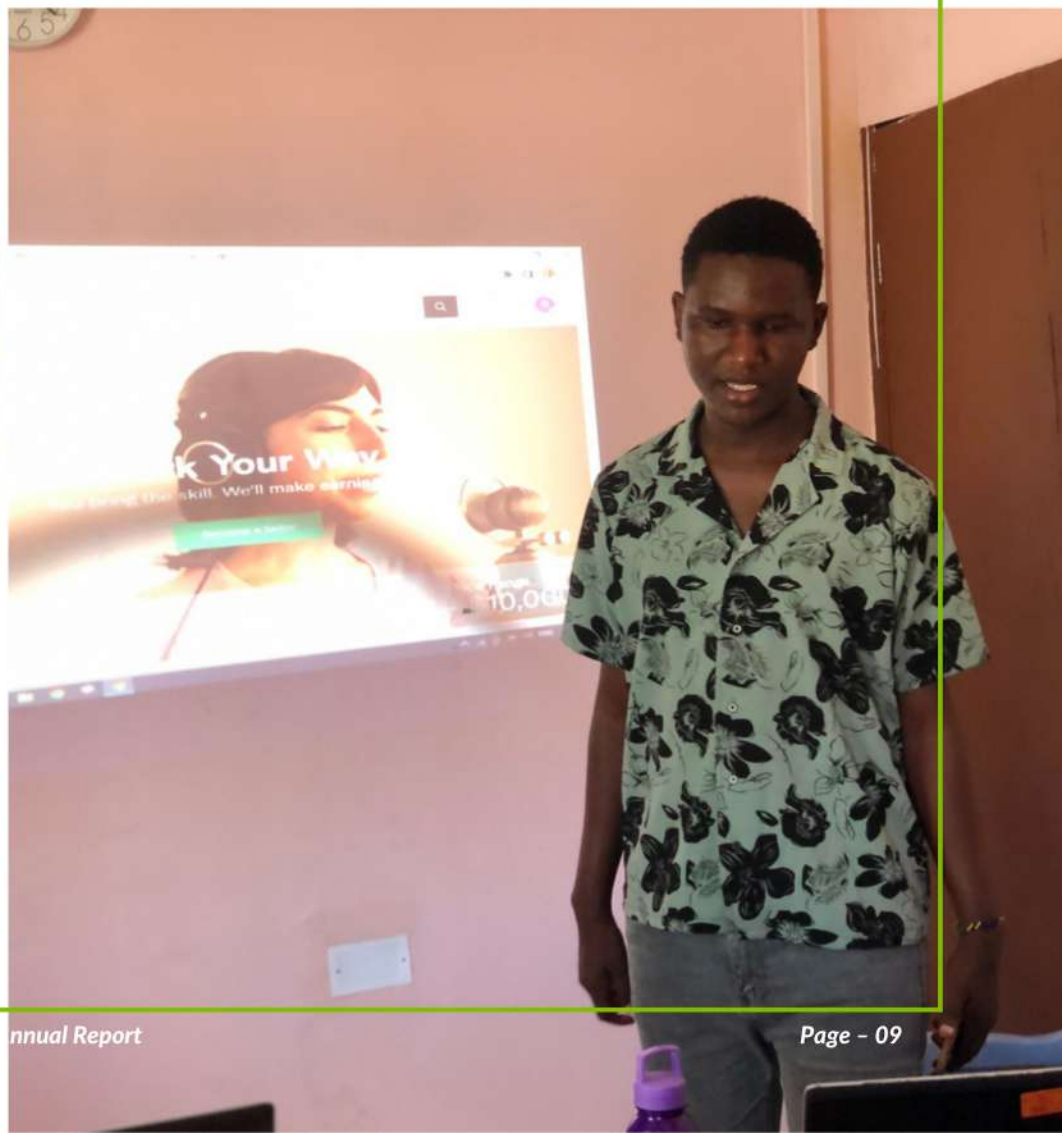
Skills Acquired

The first three months focused on basic ICT skills, followed by three months of specialization on one of the three major skills (Digital Marketing, Graphics Design, Web Design)

This was being followed by two months of mentorship and internship with different organisations.

YDS ACTIVITIES

1. **TOP:** Students visiting the business exhibition at Saba Saba (NNICT, TCRA, TTCL)
2. **Bottom Right:** Mentorship session with Baraka Mafole on how to use online freelancing platforms.
3. **Top Left:** Web Development session with 4 students who opted for web design classes
4. **Bottom Left:** Computer lab networking at Kurasini Sec School, part of students' field practice.





ODI Botnar Project



Tech and Non-Tech solutions to address Mental Health Issues Facing Adolescents in Public Schools

A research-based project aimed to co-design and co-create tech and non-tech solutions to address mental health issues facing adolescents in four public schools. Funded by Botnar Foundation and led by Overseas Development Institute, the project was implemented in four schools including Nyamagana and Magu for primary and Magu, and Sua for secondary.

In its second year, our work in 2022 was to implement solutions co-designed by youth in 2021 and assess how they helped the child to address mental health issues. As technology partners for the project, our role in 2022 was to install digital solutions in all four schools and train students and teachers on how to utilize them.



The Digital Solutions

Two solutions were developed by Camara after co-designing them with students from all four schools. The developed solutions are an interactive learning portal and a mood tracker.

Both of these solutions aimed at addressing mental health issues facing students from these schools.



Data Collection

Both of these solutions were able to automatically collect usage data and students' feedback and allowed teachers to download and share the data as an Excel file.

Collected data included usage time for each solution, modules covered, students' moods and sleep patterns, as well as their overall feedback after every session.

ICT Club

Digital Skills for Secondary School Students

In 2022, we expanded our ICT clubs program and add two more schools on board which are Kurasini and Uhamiji sec schools. When we enrolled in these schools, they both didn't have a computer lab, hence we had to use a small training room at our office that can accommodate a maximum of 16 students. This was possible as both schools are located about 1 km from our office, hence it was possible for students to just walk and attend club sessions twice a week.

We also continued to support our two former schools (Kibasila, and Shaaban Robert) enrolling new students and giving certificates to students who graduated from the program.



Diplomasia Sec School

We started the club in Feb 2022 with 15 youth (8 male, 7 female) using a small training room at our office.

In October 2022, Camara global board fundraised and funded a lab for this school. We will be installing a new lab in 2023 to allow more students to acquire ICT skills.



Uhamiaji Sec School

The ICT club was launched in late March 2022 for 16 form III girls students. We had two sessions per week for all 16 girls, equipping them with desirable ICT skills.

From 2023, the school will enrol 30 students for ICT club after receiving a new computer lab funded by our founder Cormac Lynch.



Helios Towers Tanzania



Strategic Community Investment

Helios Towers Tanzania funded Camara Education to set up one computer lab at Kurasini Sec School. This is one of the schools where Helios has installed its Telecom tower, serving several of its Telecom company clients in Tanzania.

The funding was a combination of 31 computer donations and funding to cover computer lab renovation, networking, teachers' capacity building, and other project activities.

On 25th Nov 2023, the lab was officially launched by the District Executive Director (DED) representative and Helios Tower Tanzania managing director. Camara trained 30 teachers for five days and ICT awareness training for 85 students. On top of that, the ICT club was launched at the school for students, and from Jan 2023, students will have computer and Information studies subjects as part of their curriculum.

No Of Computers

31

Desktops & 1 TV Screen

Trained Teachers

30

Out of 40 Teachers

Trained Students

85

30 from each class





Uhamiaji Sec School Lab



Empowering Girls through ICT Club

This computer lab was funded by our founder Cormac Lynch on behalf and in memory of **Hoey's** siblings. The lab was launched on 19th October 2022 by the Kurasini Division Officer on behalf of the Temeke District Commissioner (DC).

The lab has 30 desktop computers and 1 classroom server, and it's fully networked to ensure all client computers access content from the server as well as send usage data to the server for monitoring and evaluation. A total of 11 teachers were trained, and we have an active ICT club program going on in this school.

The lab will help students from the school to acquire ICT skills through our ICT club program, as well as enrol in computer and information studies subjects. The launch ceremony was attended by Camara global board members and other Camara partners and donors as part of the board trip to Tanzania.



Events & Media



24 Jan

International
Education Day

April 28

Girls in ICT
Day

18 - 21 Oct

Global Board
Visit

24-28 Oct

CSO
Week

17-18 Nov

TENMET
AGM

Camara Global Board Visit

In October 2022, we were delighted to receive a delegation of our global board, their spouses, and donors who have been funding our programs for years. This was one of the highest-profile of delegates we have received since Camara Tanzania was established in 2012.

Our global CEO and Head of African operations accompanied them for one week they spent in Tanzania. They visited two schools in Dar es Salaam, two in Moshi and one school in Arusha. They also got a chance to witness our youth digital skills program and chat with the team to learn more about our work.

1. **Right:** Mrs Lucy Morris chatting with a student from Diplomasia secondary, Temeke Dar es Salaam.
2. **Top Left:** Selfie photo with the board, Camara staff and YDS students after students' demonstration at Camara Tanzania offices.
3. **Bottom Left:** Dr Fiona McNicholas having a conversation with form three students at Korongoni sec school in Moshi, Kilimanjaro.





Twiga Primary School

Our board member Rory Wardroper engaging with class two students at Twiga Primary School.

Brief Overview of the School

- Public Primary school in Temeke, Dar es Salaam.
- The school has 50 tablets, and they use the Swahili version of KitKit school for improving literacy & numeracy skills.
- The tablet project was funded by KOICA Korea, Enuma and Camara and implemented in 2020.

Enaboishu Primary School

Heather and David Stevens, friends and donors of Camara observed students at Enaboishu English Medium Primary School using tablets for improving literacy and numeracy skills.

Brief Overview of the School

- Public Primary school in Arusha District.
- The tablet project was funded by our partner CASEE in 2021 and implemented by Camara.
- The school has 50 tablets, and they use the English version of KitKit school for improving literacy & numeracy skills.



Media & Other Events

2022 International Education Day

In partnership with Tanzania Enlightenment Development Innovations (TEDI) and Africa Reflection Foundation (ARF), we commemorated this day at Kinene Primary School in Mkuranga District.

We provided training to students on how to use ICT tools in the learning process, Menstruation Hygiene Kits and exercise books to 80 students.



Girls in ICT Day

In collaboration with COSTECH, Vijana Think Tank, Success Hands, and other partners, we participated in 2022 Girls in ICT Day to raise awareness about the importance of ICT for girls and discuss barriers facing girls and how to overcome them.



TENMET Annual Meeting & CSO Week

As a member of the Tanzania Education Network (TENMET), we participated in the 2022 TENMET annual general meeting as well as several other events organized by TENMET in 2022. We also participated in the 2022 CSO week organized by the Foundation for Civil Society (FCS) in Arusha.



Camara
education
tanzania



Camara Education Tanzania is not-for-profit
whose mission to use technology to improve
education in low income communities.
We believe better life opportunities
for themselves.

Our Mission is to
transform education using technology to
transform disadvantaged communities
Our Vision is a
World-Class accessible education

New Products & Programs

Africa
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Community of Practice

Learning and Growing Together

For further engagement and support to teachers, we have created a teachers' community group of practice where they engage, learn and share different issues about ICT in education. This is achieved via a WhatsApp group with 135 teachers, phone calls, emails, and weekly Zoom training on different ICT topics.

We have a planned schedule for each day and plan to engage further with teachers via other platforms they are currently using. Both teachers and Camara staff share different tips, and articles, and respond to teachers' questions about the use of ICT in education. Our weekly Zoom sessions on Friday provide additional training to teachers based on the topic of their choice.



Weekly Schedule

Monday

Questions & Answers

Tuesday

Tips, Articles & Quotes

Wednesday

Discussion about ICT in Education

Thursday

Weekly Updates from Schools

Friday

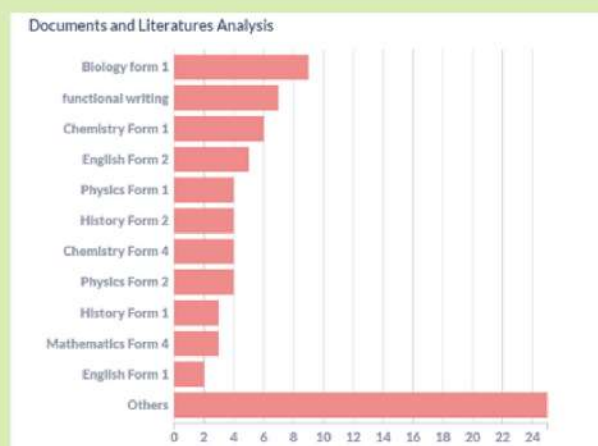
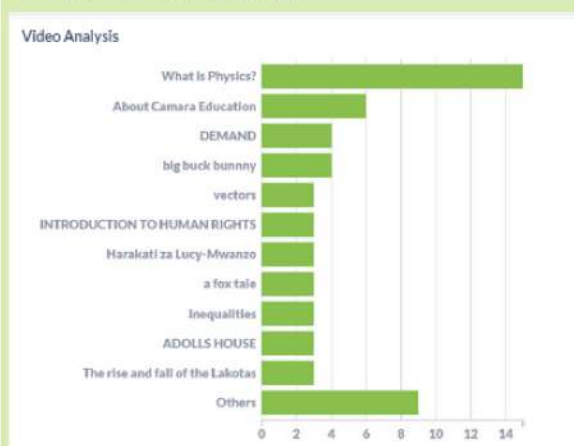
Training via Zoom or sharing a video.

Computer Usage Online Dashboard

This dashboard collects computer usage data and portal usage data from our schools and centralizes all data in one place. This allows us to remotely assess how our schools are utilizing computers and the learning resources they have. The dashboard was developed as an extension of our computer usage tracker and the offline school portal to act as a centralized repository for all user data.

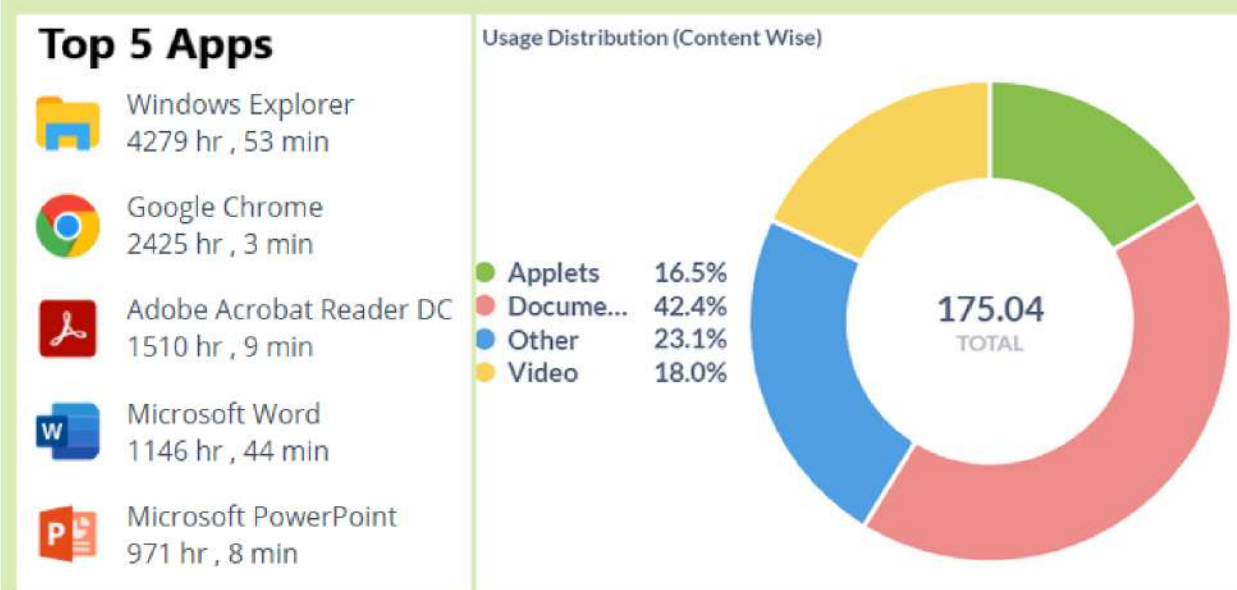
Schools need to have internet for the classroom server in the lab to be able to send this data to the cloud. For schools with no connectivity, they need to connect the server to the internet at least once a week for 1 hour to allow data synchronisation to take place.

Camara Portal Usage



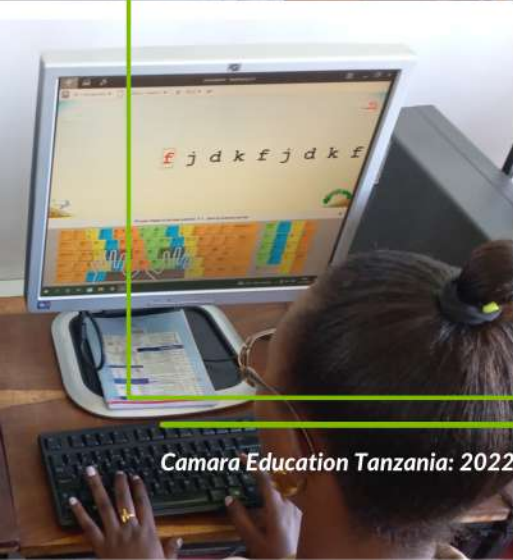
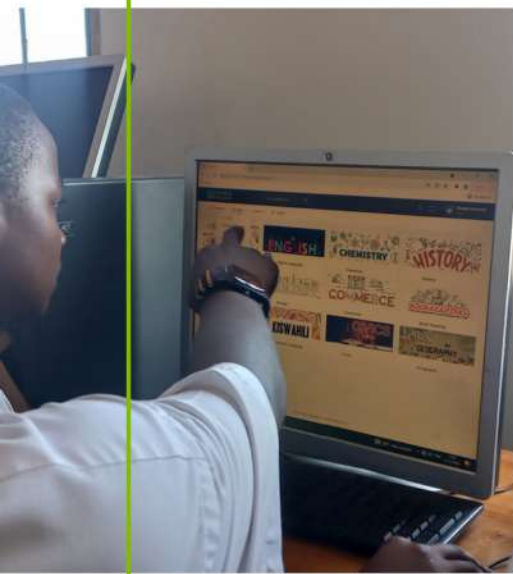
Computer Usage Data

This data is collected from individual computers using a usage tracker app and then sent to the classroom server through the local area network. Once connected to the internet, the classroom server sends the data to the online dashboard.

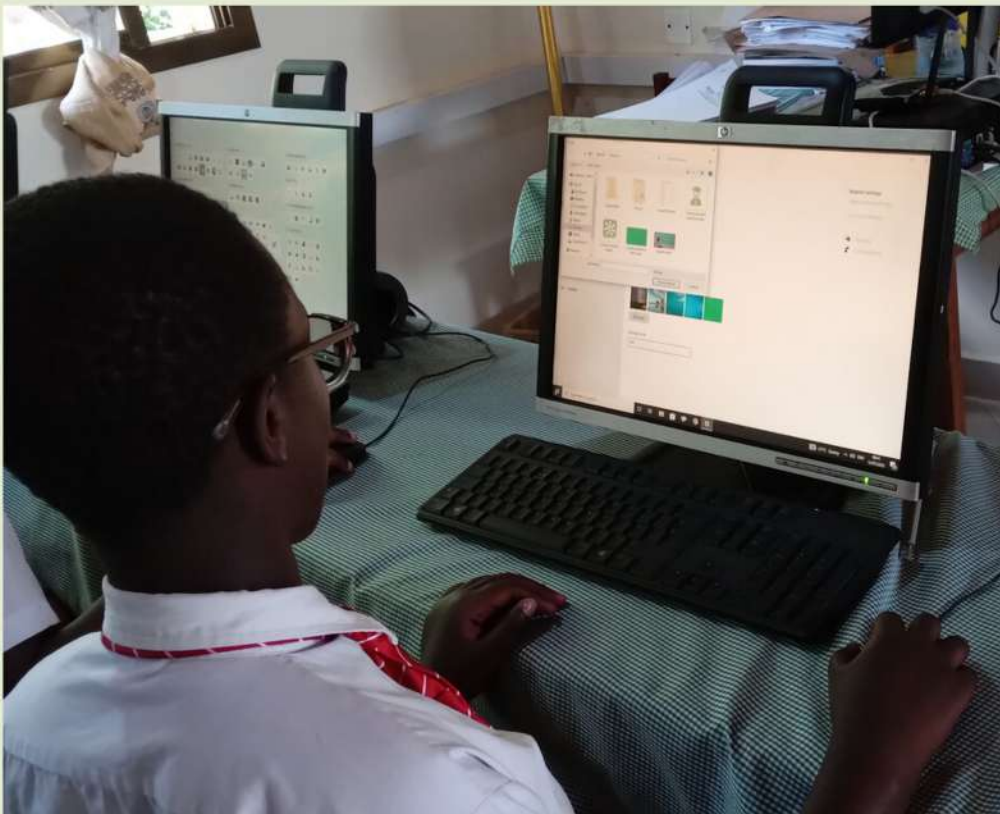


IMPACT ASSESSMENT

Monitoring, evaluation, and learning (MEL) is a crucial part of all our projects. The next three pages summarize some MEL activities and testimonials for projects we implemented in 2022.



Monitoring, Evaluation & Learning (MEL)



MEL Overview

Throughout the project lifecycle, our MEL activities are conducted to gather data in three significant stages, enabling a comprehensive and detailed understanding. These stages include:

1. Baseline

The initial data collected at the beginning of the intervention to establish a benchmark for comparison to measure any changes that occur over time

2. Midline

Intermediate data collected usually 4-6 months after baseline to monitor progress, assess the effectiveness of the intervention, and to make any necessary adjustments to the intervention

3. Endline

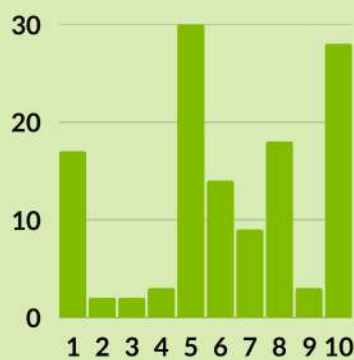
A final measurement of the outcome of the intervention to assess impact, compare it to the baseline data, and draw conclusions about the success or failure of the intervention

Baseline Assessment

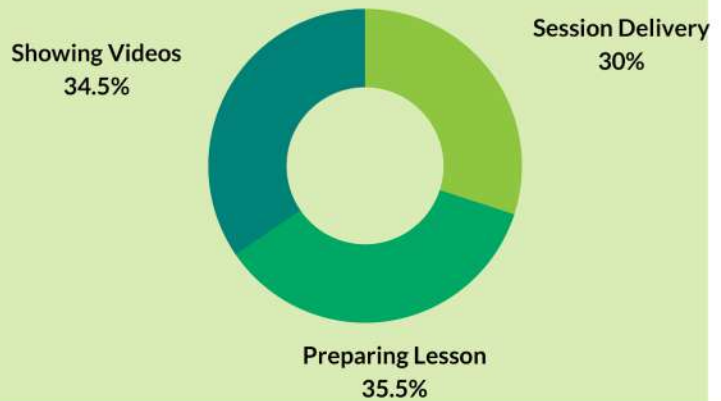
As part of the Big Give project, we performed baseline assessments by conducting surveys and interviews with school leaders, teachers, and students. Our objective was to gain insights into their attitudes, experiences, ICT skills, and challenges.

Participants completed closed-ended questionnaires as part of the survey process. The data we gathered played a crucial role in identifying the specific training, content, and support required for both teachers and students. Here are some key findings from our assesment.

ICT Confidence (1 to 10)



Use of ICT equipment when teaching?



Students Baseline

Using a Computer makes my learning easier ?



Which activity do you prefer to do when you are in Computer lab?

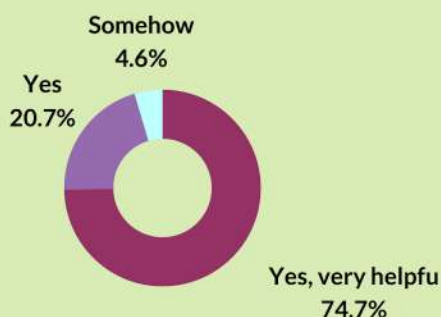


Midline Assessment

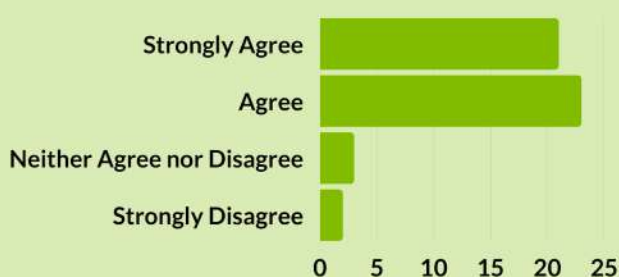
Following our initial visit, which involved training, maintenance, and software/content upgrades, we conducted a midline assessment approximately 4-6 months later. This assessment involved headteachers, ICT teachers, and other school teachers who had received training as part of the Big Give project.

To gather feedback, we conducted phone interviews and distributed online surveys. A total of five headteachers, forty-nine teachers, and seven ICT teachers participated and provided valuable insights. The purpose of this assessment was to evaluate the impact of the training and support they received, identify any challenges they encountered, and determine the additional support they might require.

Did you benefit from training?



I gained more confidence in ICT after training



Teachers who need additional ICT equipment

48%

12:31

Teachers who use videos for lesson delivery

Positive change after integrating ICT in teaching & learning

Response	Percentage
Yes	59.2%
No	40.8%

Teachers who will recommend other teacher to attend ICT training conducted by Camara.

98%

Headteachers who acknowledged noticeable improvements in the utilization of ICT following the completion of maintenance, upgrades, and training.

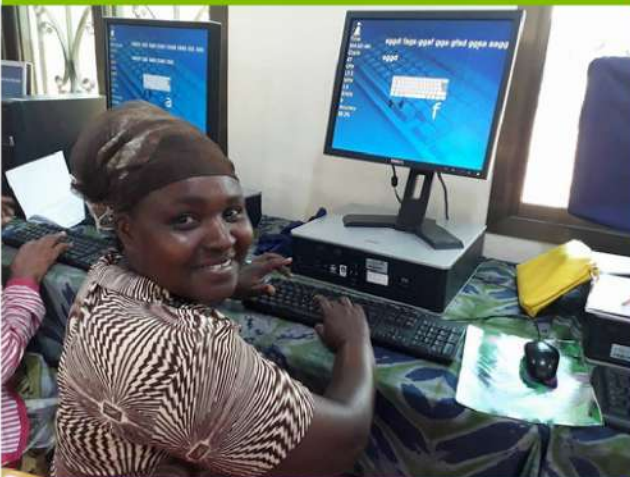
95%

Testimonials

Below are testimonials from some of our beneficiaries for projects implemented in 2022.

Hailat Haroun, Youth Digital Skills 2023 Beneficiary.

Being in a street without having any employable skills is a huge challenge to any youth, Special thanks to Camara for this opportunity. I want to be an expert in graphics design and pursue my dreams.



Head of Sec School - Mabatini Sec, Njombe

We thank Camara for their efficient training, this leads to improving teaching and learning activities in my school because before the training my teachers wasted many times searching for materials, and it was costly.'

Aisha Iddi, ICT Club student from Diplomasia Sec School, Temeke.

The world is changing very fast with new technologies every day, I must learn ICT to acquire skills that are needed in the current world. I have plans to further my ICT skills after completing my secondary education.





Admin & Finance

Admin & Compliance

Camtech Operations



Our social enterprise arm (Camtech) strengthened its operations in 2022, recruiting new staff as well as supporting more schools by offering our services at affordable cost.



Audits

In May 2022, we carried out the 2021 audit for CamTech and Camara, which was then presented to the Tanzania Revenue Authorities (TRA). Subsequently, TRA performed a routine tax audit for the past 5 years, and we have paid all required taxes, duties, and levies.



NGO Registrar

The NGO registrar's office received all quarterly reports for the year 2022, along with our NGO's annual report for 2021. Additionally, contracts for project funding in 2021 were also submitted for assessment and endorsement.



Board Meeting

During the year 2021, we held three regular board meetings in compliance with our constitutional obligation. Throughout these meetings, the board scrutinized performance reports, imparted direction, and resolved various operational matters of the organization.

Accounting & Finance

In 2022, our finances have improved, recovering from the impact of Covid-19. Our social enterprise sales have gone up by 11.41% from 2021. Despite the limited donor funding for supporting our projects, our board and equipment donors have been very supportive in ensuring we continue to carry out our mission and operate efficiently.

Social Enterprise Income
\$102,226.94

Grants for Project
\$63,830.04

Direct Program Cost
\$30,526.64

Admin Cost
\$63,367.15

We have maintained our operating expenses at the minimum possible, ensuring the organization smoothly delivers on its mission despite all the challenges.

With the ease of hardware sourcing and alternative fundraising efforts, we have established in 2022, our finances will keep improving. We are working hard to support more schools and scale our operations, ensuring more learners can benefit from educational technology.

Projects
30.9%



Social Enterprise
69.1%





Looking Ahead: 2023 & Beyond

Sustainability



Our objective is to bolster the sustainability of our programs by obtaining complete endorsement and support from the government. To achieve this, we strive to establish Memorandums of Understanding (MoUs) with key stakeholders such as the Ministry of Education, the President's Office for Regional Administration, and Local Government authorities. These MoUs will serve as formal agreements to secure their backing in supporting our schools for the next five years.

Strong Partnerships



In the coming three years, we prioritize strengthening our partnerships to secure shared project funding as a key objective. Our aim is to foster collaborations with like-minded organizations that align with our values. Together, we seek to co-create, finance, and implement projects that harness our unique expertise and capabilities.

Longterm Impact



Our dedication lies in guaranteeing enduring effects on the individuals we serve through our programs. We achieve this by consistently evaluating, enhancing, overseeing, and documenting our outputs, outcomes, and impact. Moreover, we aim to showcase our competence in effectively addressing the obstacles confronted by our beneficiaries and delivering transformative value that positively shapes their lives.

Thank You

Because, we're here to help



In conclusion, we take great pride in the achievements made in 2022 as we strive to fulfil our mission of improving the accessibility and quality of education in Tanzania through technology integration. Our commitment to collaborative efforts with stakeholders has enabled us to successfully implement impactful and sustainable programs that have made a positive difference in the lives of numerous individuals.

In our journey ahead, we maintain unwavering dedication to seeking inventive solutions, cultivating fresh collaborations, and harnessing the power of technology to tackle the challenges encountered in Tanzania's education sector. We extend our heartfelt appreciation to all our supporters, partners, and staff, whose steadfast commitment has played a pivotal role in our achievements thus far. Together, we can continue to create a meaningful and lasting impact on education in Tanzania.



Address

Box 13484, Engaruka Street, Kurasini, Dar Es Salaam



Telephone

+255 758 396 600 / +255 629 396 600



Website

Tanzania: camara.or.tz

Global: camara.org



2022

company introduction, projects to be carried out, and future project schemes