



ANNUAL REPORT 2021

TABLE OF CONTENTS

A WORD FROM THE DIRECTOR.....	2
EXECUTIVE SUMMARY	3
1.0 BACKGROUND.....	6
2.0 ACHIEVEMENTS IN 2021	7
2.1 JENGA HUB FOOTPRINT	8
2.2 TEACHER TRAININGS	8
2.3 SCHOOL CLUBS	9
2.4 INNOVATION WEEK 2021	12
2.5 CHILDRENS DESIGNATHONS	13
2.6 CHILD SAFETY & PROTECTION.....	14
3.0 PARTNERSHIPS AND NETWORKS	15
4.0 PARTNERS AND SPONSORS	17

A WORD FROM THE DIRECTOR



2021 was a year of recovery and regrouping and forging ahead to a new normal of a world and a planet that was hit hard by COVID 19. Our work as an organization continued to ensure that our favorite stakeholders, children, never missed a beat in learning. Thanks to our dedicated team who worked closely with teachers, parents, local leadership and the government, we were able to expand our footprint to reach more children with digital literacy skills and design thinking learning.

The great thing about technology literacy that is evident, is that, when applied in the right way, has the potential to realize dreams and transform communities, like in our tech club in Makumira Arusha who are working on a sustainable pump filter to tackle water problems in their school or Madam Fausta, a teacher who is using our learning to improve the way she teaches her special needs students in Dar es Salaam.

In the spirit of the African saying ' Alone you can go far, but together we can go further', we were honored to grow our stakeholder footprint, by continuing our partnership with the city council of Kinondoni in setting up tech clubs in various schools in the district and receive the green-light certification for our curriculum by both Tanzania Institute of Education and the President's Office for Regional Administration and Local Government.

For 2022, we are more optimistic than ever, to keep the same momentum as we set our sights to train more teachers and expand to regions we have not worked in before, and growing our teams to strengthen our existing network.

We hope to grow and serve with you,

Best,

Nancy Sumari

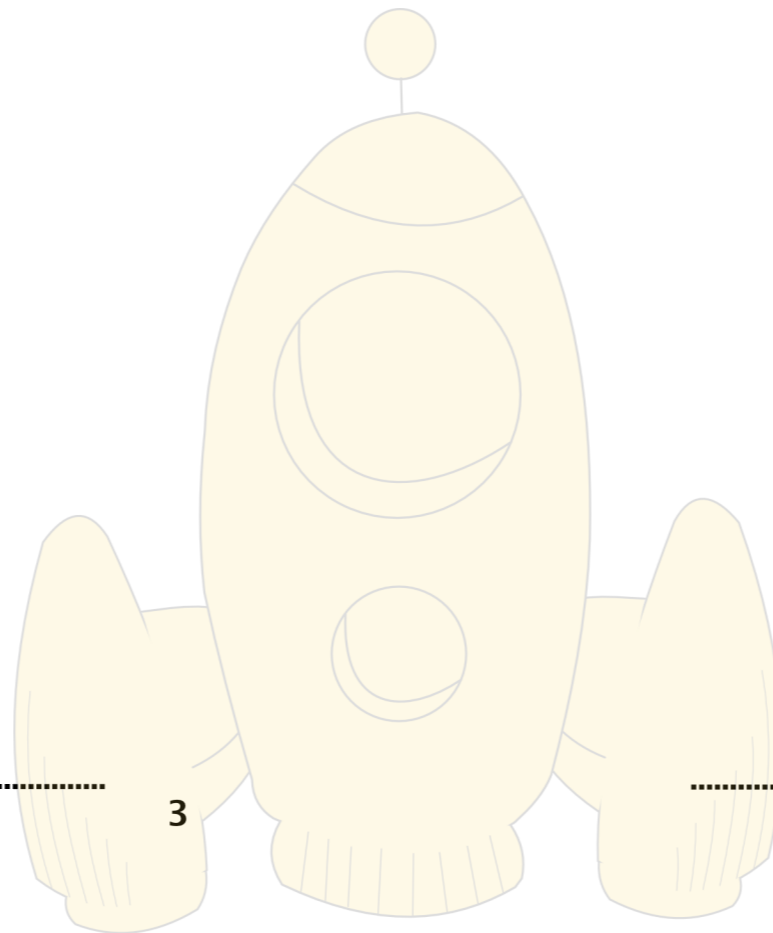
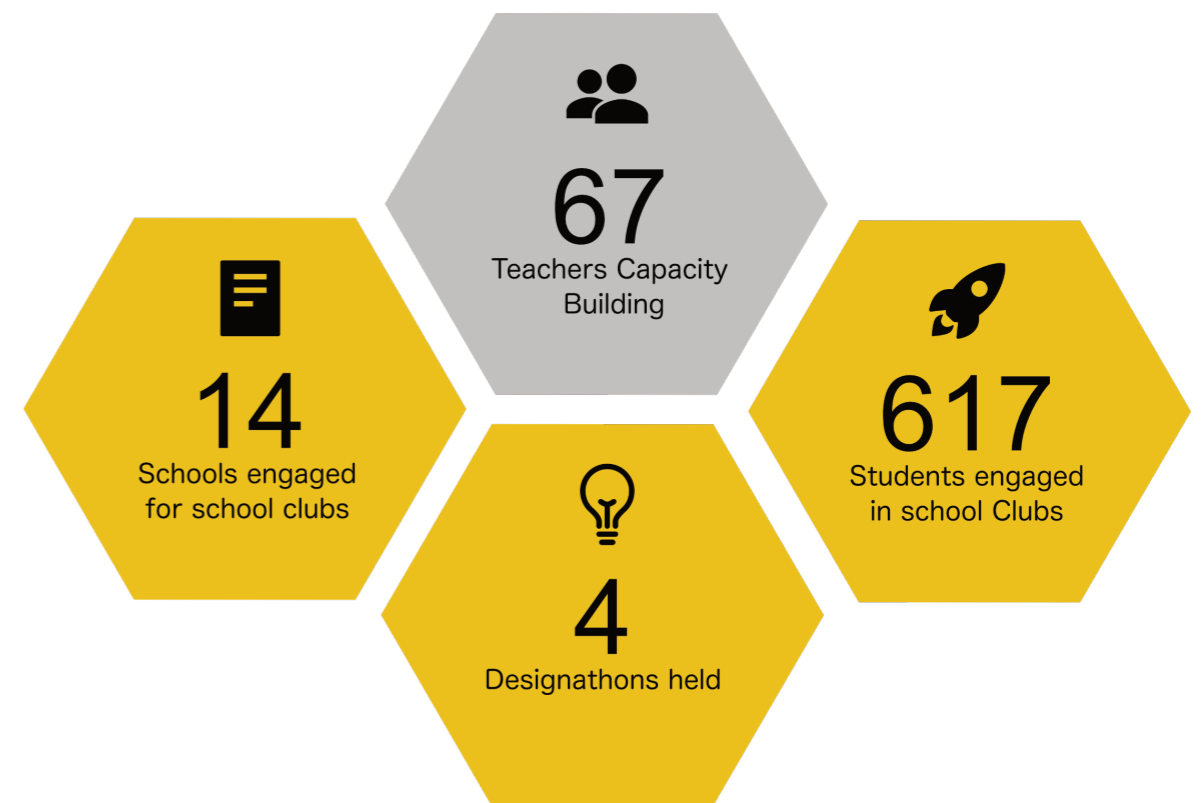
EXECUTIVE SUMMARY

Jenga Hub's mission is to transform the lives of Children and Youth using Technology through a process of creating memorable learning experiences that improve learning outcomes and make learning more engaging and inventive.

The Neghesti Sumari foundation is registered in the United Republic of Tanzania as a Non-Governmental Organization under the NON-Governmental Organizations Act of 2002 with registration number 00NGO/00007312.

The Neghesti-Sumari Foundation, through its flagship program 'The Jenga Hub', is committed to working with the community through educating and enhancing the effective use of technology tools for students and education stakeholders in primary and secondary schools through ICT training. As well as programs to enable teachers to increase their knowledge of how technology can increase their effectiveness in their training.

GENERAL STATISTICS



GLOBAL SDGS WORKED ON



1.0 BACKGROUND OF JENGA HUB

Jenga Hubs mission is to create memorable learning experiences for children using technology, to improve education outcomes and to make learning more engaging and inventive. Inspired by the Sustainable Development Goals, 4, Jenga Hubs aim is to Reimagine Learning and enhance creativity to empower children using digital literacies that will improve learning outcomes.

The overall project goal is Children gain knowledge on various topics, gain 21st century skills (like creative thinking, global citizenship, and technological literacy), and gain agency to take action.

As previously outlined, the methodology maps to learning objectives specified by:

- OECD's Future of Education 2030 framework
- Unesco's SDG's Learning Objectives
- World Economic Forum's Future of Jobs report

Our Specific objectives are,

- I. To build the digital literacy and future-readiness of educators of students through targeted training on design-based learning, the application of ICT educational tools, and 4IR principles (incl. key soft skills for future readiness) in schools.
- II. To equip each classroom with the basic ICT equipment required to develop digital literacy and incorporate ICT educational tools into their curriculums
- III. To provide computer literacy training in software and hardware students
- IV. To enhance and nurture the global citizenship, innovation, creativity, and interpersonal skills of children
- V. To support children in the identification and design of innovative

2.0 JENGA HUB ACHIEVEMENTS FOR 2021



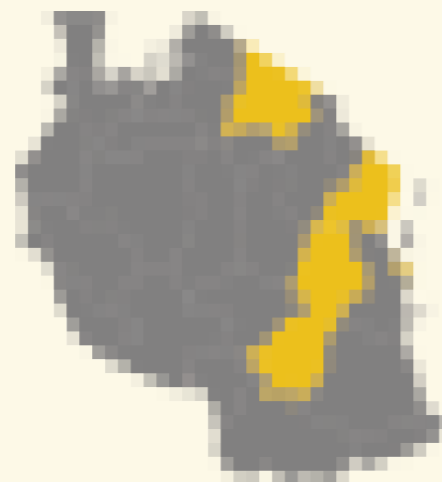
Teachers and students posing for a photo after successfully participated in a designathon

2.1 JENGA HUB FOOTPRINT

Inspired by the Sustainable Development Goal no 4 of the United Nations, Jenga Hub's aim is to reimagine learning and enhance creativity by empowering children with digital literacy skills that will improve their learning outcomes.

We have continued our efforts to grow our network of partner schools. In this year we have been able to expand our network by 18%. And have been able to expand our reach to Tanga and Arusha Regions of mainland Tanzania.

Furthermore we have continued our efforts of empowering the partner schools with trainings and resources and have managed to deploy science kits to 17 schools



Jenga Hub footprint in Mainland Tanzania

2.2 TEACHER TRAININGS

In our quest towards digital literacy for all, teachers remain one of our most valuable allies. By equipping them with the necessary skill sets that allow them to become more efficient in knowledge delivery, and as the world edges on in the fourth industrial revolution, they become more future ready.

Through immersing in the design thinking training, our teachers are able to experience the learning and skills and in turn equip their children in the classroom with the same skills set, to improve overall learning outcomes.



Capacity building for teachers through Jenga hub teacher training workshops

Teacher training is one of the core functions of The Jenga Hub that is being driven by its mission. The Jenga Hub through its teacher training has trained 108 individuals in which 71% are female and 29% are male. The training has been 83% effective and empowered the teachers to effectively and efficiently deliver their services.



Teachers using the skills gained from Jenga hub teacher training workshops



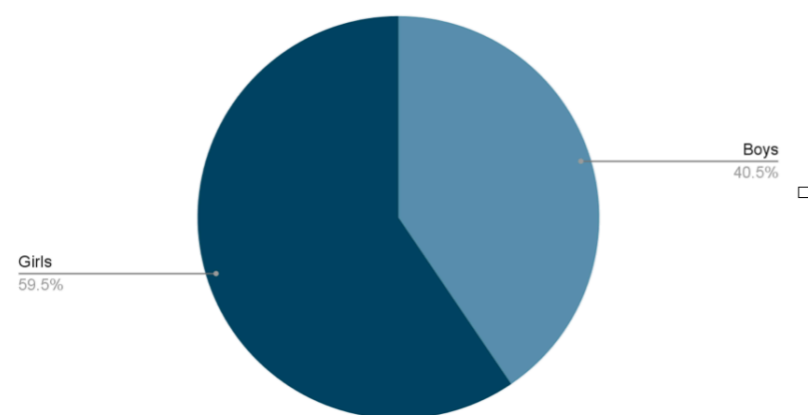
Remote workshop with Jenga hub partner teachers

2.3 JENGA HUB SCHOOL CLUBS

In our efforts to empower the next generation of change makers through digital literacy skills. Jenga hub has managed to reach and empower more students through the teachers in our partner Schools. Through out Trained teachers students have been able to be immersed in design thinking and computer training.

In this year Jenga Hub has reached 617 students across 5 Regions in Tanzania namely: Dar es Salaam, Morogoro, Tanga, Arusha and Mara region.

Gender Distribution



Gender distribution of the students reached

The clubs program was met with enthusiasm and interest. The sessions were conducted in an engaging manner to provide hands on and practical oriented experience and the give each student an opportunity to participate fully.



Students Of Oysterbay Primary School Learning About Circuitry



Student from Lwandai secondary school tanga demonstrating their science experiment To their teachers



Students Of Msasani A Showcasing Their Windmill



Student Writing A Letter After Learning About Ms Word

Furthermore This year, we embarked to grow our service offering by working with children with disabilities in schools. Through a partnership between Jenga Hub and Msasani A Primary School, we have managed to serve children with impaired hearing.

By developing tailored and contextualized curriculums, training teachers and immersing the children in their community and Jenga hub has been able to better equip our partner teachers to allow them to become more efficient in knowledge delivery



Mr Mathayo of the special division unit giving a computer lesson to the hearing impaired kids of Msasani A P/S

2.4 INNOVATION WEEK 2021

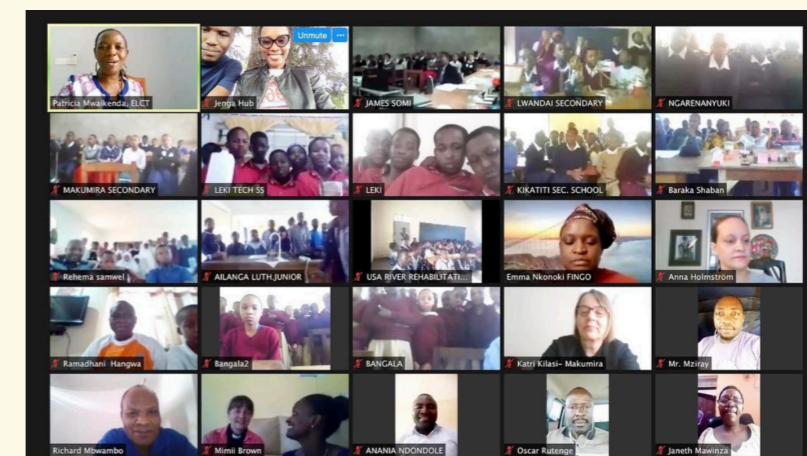
Jenga hub successfully participated in the annual innovation week of 2021 with the theme of "Innovation for a Resilient and Inclusive Digital Economy" hosted by HDIF . During the innovation week Jenga hub successfully managed to interact with 231 students in 5 the Dar es Salaam, Morogoro, Tanga, Arusha and Mara regions.

In partnership with the Ifakara Innovation Hub (IHI) located in Ifakara, Morogoro, Jenga hub hosted a Micro:bit Challenge where the students were participated by innovation around different challenges in the society using the Micro:bit. The beneficiaries practiced human centered design and their coding skills were put to the challenge.



Students working with their teachers to create a digital solution using a Micro:bit

In partnership with Tanganyika Christian Refugee Society (TCRS), Jenga hub managed to conduct a designathon for kids to innovate on different challenges the face around Water and Sanitation in their local societies. This challenge took place in 10 schools over Morogoro, Tanga, Arusha and Mara regions



Designathon workshop in partnership with TCRS with over 300 children across 10 schools as a part innovation week 2021

2.5 CHILDRENS DESIGNATHONS

Our ultimate aim is for children in Tanzania to become change-makers for a better world and that society in turn includes children in co-designing the future.

By engaging children and youth in SDG Challenges, design hackathons where they tackle complex global problems aligned to the UN's Sustainable Development Goals (SDGs).

In the year 2021 Jenga hub has managed to host 3 designathons that tackle the following SDGs

- Good health and Well being
- Clean water and Sanitation
- Affordable and clean Energy

In a designathon the students go through the six key stages including getting inspired, research, Ideation, sketching, prototyping and presenting their ideas to their teachers, parents and the wider community. Across the designathons held in 2021 Jenga hub managed to reach a total of 529 students.

In each designathon students work in groups to innovate and create prototypes of their solutions of a challenge of their choice.

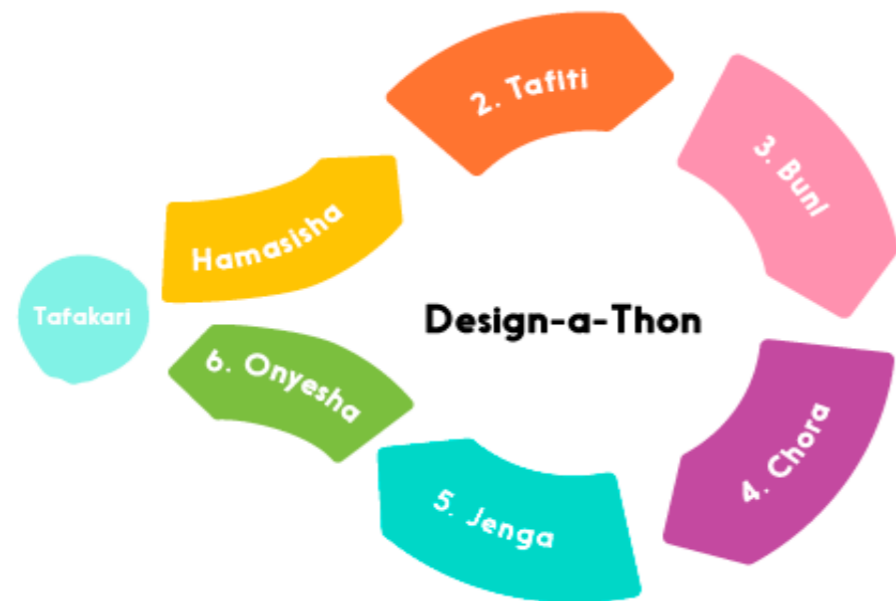


Illustration of the designathon circle



A student from Milola P/S in Ifakara showcasing their invention, an alert system to notify people to maintain social distancing as part of the Covid 19 Responce challenge



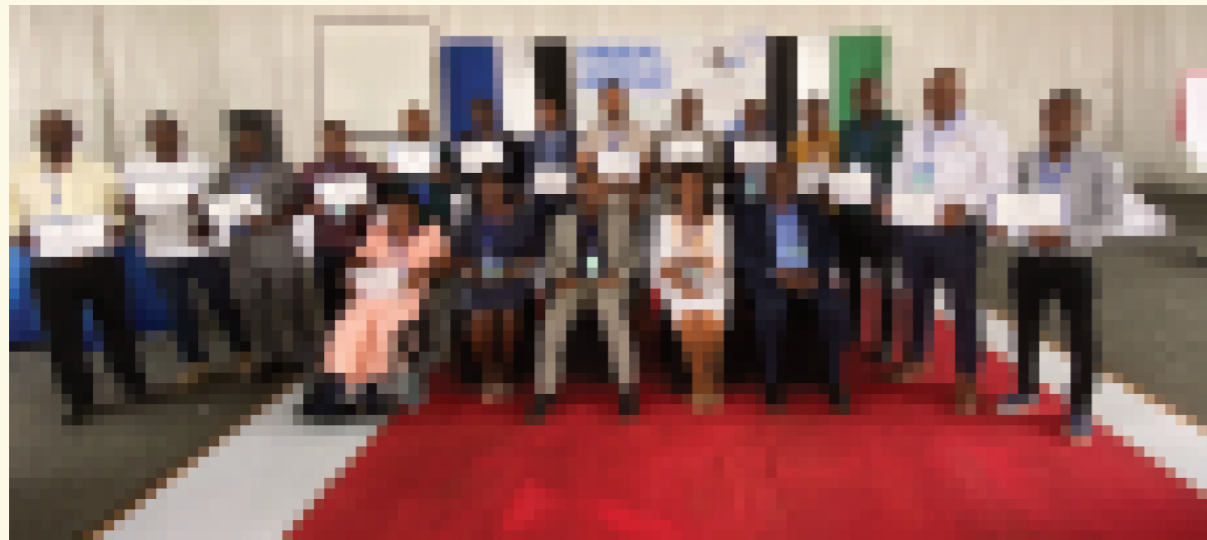
Students of Msasani P/S showcasing their windmill as part of the Renewable energy Designathon Challenge

2.6 CHILD SAFETY AND PROTECTION

The objectives of child protection interventions are to strengthen child protection system as key to preventing and responding to child abuse and violence by ensuring This has been in line with the policy and legal framework for child protection of the law of Child Act 2009.

In achieving this objective Jenga hub, together with partners Sema Tanzania managed to conduct dialogs around the area of child safety and the digital age.

3.0 NETWORKS AND PARTNERSHIPS



Induction of new TenMet members during the Annual General Meeting

Tanzania Education Network (TenMet) has accepted Jenga hub to be a member of its vast network of organizations in Tanzania working toward developing and bringing change to the education domain.



The Director of Jenga hub visiting a partner school in Morogoro region

In the spirit of the African saying ' Alone you can go far, but together we can go further', we were honored to grow our stakeholder footprint, by continuing our partnership with the city council of Kinondoni in setting up tech clubs in various schools in the district and receive the green-light certification for our curriculum by both Tanzania Institute of Education and the President's Office for Regional Administration and Local Government.

We had the pleasure to welcome the support of The Segal Family Foundation, as a funding partner to support our organization and program.

The Segal family foundation has been at the forefront of empowering social entrepreneurs and ecosystems and as such we are honored to join the portfolio and build our collective impact in service.

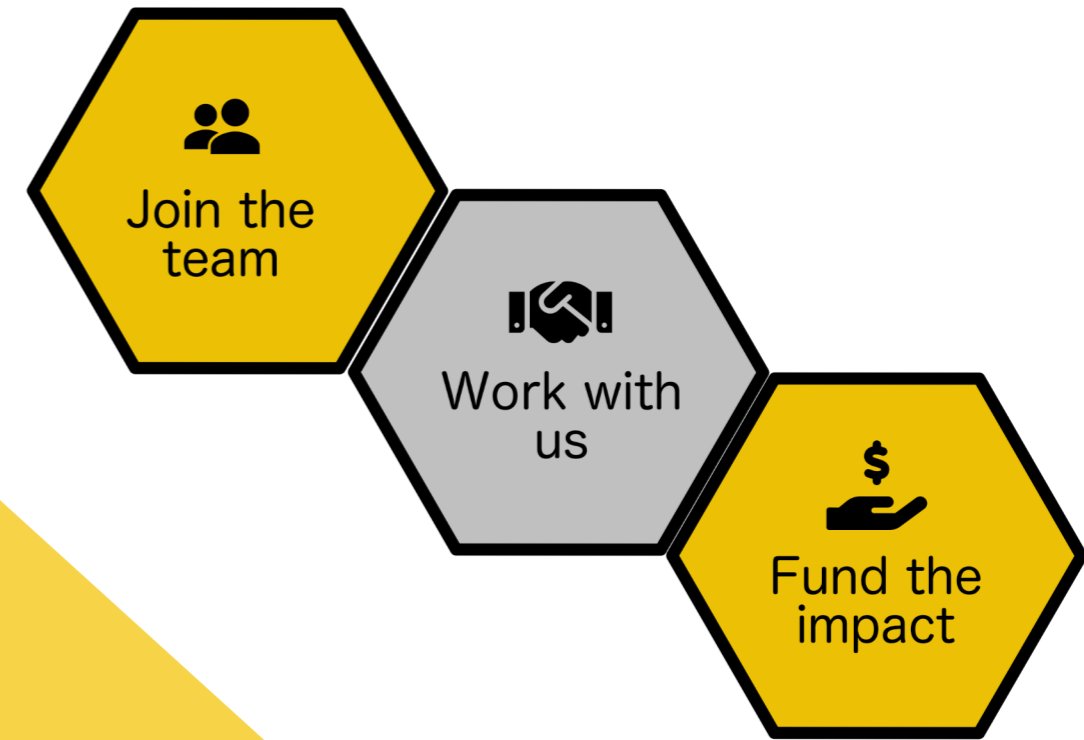
Jenga hub remains an active member of the global designathon community and we changers platform and managed to successfully hosst 3 designathons in the year 2021



Young change makers after having completed a session at the hub

Jenga hub appreciates the continued support of the sponsors and partners on our journey of empowering the future generation of change-makers.

PARTNERS AND SPONSORS



Contact / Visit Us

Address : Matunda Street, Msasani Dar es Salaam

P.O.Box : 23207

Telephone : +255 717 515 800

Email : info@jengahub.com