YOUNG SCIENTISTS TANZANIA

ORGANISATION PROFILE

2022

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ORGANISATION INFORMATION

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COUNTRY:	TANZANIA
ORGANISATION STATUS:	NON- GOVERNMENT ORGANISATION
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NGO REGISTRATION:	00NGO/R2/000372
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YST continues to embed the Science for Development Model across Tanzania by involving grass-root stakeholders and Tanzanian policy makers.

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REMARKS FROM YST CO-FOUNDERS

Young Scientists Tanzania – Science for Development (YST) proudly celebrates its 15th Anniversary in 2025.

Reflecting on our journey over these past 15 years, we have successfully established and deeply integrated the Science for Development educational model across secondary schools throughout Tanzania. This innovative model has proven transformative, not only inspiring innovation and scientific excellence among young Tanzanians but also cultivating practical solutions that address real-world challenges. The impact of this approach has positioned YST as a recognized benchmark, offering a replicable and adaptable blueprint for developing countries globally.

YST comprises two core elements: our comprehensive national Science Outreach Mentoring Programme and the prestigious annual Exhibition and Awards Ceremony. These synergistic initiatives continue to nurture creativity, foster scientific inquiry, and develop practical problem-solving skills among students nationwide. Our dedicated outreach programme mentors students directly, ensuring they receive vital guidance and support throughout their scientific explorations, while our exhibition provides an invaluable national platform to showcase their remarkable talents and innovative solutions.

YST has consistently embraced digital advancements, significantly enhancing our mentoring, judging, and engagement frameworks. These improvements have enabled us to reach more students and educators, enriching the learning experience and creating sustainable impacts at scale.

We extend our profound gratitude to the Government of Tanzania, our generous sponsors, committed educators, enthusiastic participating schools, dedicated teachers, and most importantly, the passionate and talented secondary students who embody the spirit and innovation of YST. Special recognition to the Karimjee Foundation for their continuous support as main sponsor, which sustains the Science for Development project in Tanzania.

Finally, we sincerely acknowledge the exceptional contributions of our Project Manager, Nabil Karatela, Chairperson of Judging, Dr Brendan Doggett, Hadija Msafiri and Swaumu Makongoro, our dedicated YST team, our committed panel of judges, supportive YST Board members, passionate Regional Coordinators, and our tireless volunteers whose combined efforts ensure the ongoing success and impact of YST.

Asante sana!

Co-Founders
Dr. Gozibert Kamugisha and Joseph Clowry

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FOREWARD FROM BOARD CHAIR

As Chairperson of Young Scientists Tanzania (YST), I am profoundly proud and privileged to celebrate another significant milestone in our journey. Over the past 15 years, YST has evolved into a leading national Science for Development education initiative, fostering innovation and scientific excellence among our youth.

On behalf of the YST Board, I extend our heartfelt appreciation to the Government of Tanzania, particularly the Ministry of Education, Science and Technology, and the President's Office – Regional Administration and Local Government (TAMISEMI), for their unwavering commitment and invaluable support to this transformative project.

As we commemorate our 15th anniversary, I am especially inspired by our continued innovation in delivering comprehensive outreach programs, dynamic virtual exhibitions, and impactful awards ceremonies. Our resilience and adaptability, demonstrated notably during the challenges posed by the COVID-19 pandemic and beyond, underscore the strength and dedication of the entire YST community.

The remarkable achievements of YST have been made possible through strategic partnerships and generous sponsorship. These collaborations have been instrumental in nurturing a generation of future scientists, equipped to drive Tanzania's socio-economic growth.

I particularly acknowledge the Karimjee Foundation for their extraordinary and ongoing support as the main sponsor of YST, enabling us to sustain and expand our impact year after year.

Finally, I wish to sincerely thank Dr Gozibert Kamugisha and Joseph Clowry, the visionary YST Co-founders, Nabil Karatela, Project Manager, his dedicated project management team, committed colleagues on the Board, regional coordinators, passionate volunteers, science outreach team, esteemed panel of judges, diligent event management and public relations teams, and the countless schools, students, teachers, and parents involved. Your passion, expertise, and tireless efforts continue to make YST an outstanding example of science-driven development.

Together, we look forward with confidence and enthusiasm to the next exciting chapter in YST's journey.

Warm regards.

Professor Yunus D. Mgaya
Chairperson, YST Board

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MESSAGE FROM PROJECT MANAGER

Young Scientists Tanzania (YST) continues to transform Tanzania as we proudly mark our 15th anniversary in 2025.

Since our inception in 2011, YST has successfully implemented an expansive Science Outreach Mentoring Programme, engaging secondary schools across Tanzania. This innovative mentoring approach not only strengthens scientific capabilities and confidence among our youth but also fosters early research engagement, practical problem-solving skills, and clear pathways to further educational and career opportunities. The annual YST Exhibition and Awards Ceremony continues to highlight the incredible achievements and ingenuity emerging from this transformational programme.

The foundations of our unique Science for Development model began taking shape in 2008, reflecting years of persistent groundwork, dedication, and visionary planning. YST was officially registered on 11th July 2011 and is governed by an independent, committed board. The Science Outreach Mentoring Programme was launched in August 2011, and YST was officially inaugurated by Prof. Makame Mbarawa, Minister for Science, Communication and Technology, during the inaugural YST Exhibition held at Mnazi Mmoja in Dar Es Salaam on 6th November 2011.

The remarkable and sustained growth of this initiative is a direct result of the invaluable collaboration and generous sponsorship from numerous partners. Over the past 15 years, this synergy has positioned Young Scientists Tanzania as the leading and most successful National Science for Development model in Africa, inspiring replication in other regions globally.

We extend heartfelt gratitude to our visionary YST Co-founders, Joseph Clowry, whose unwavering inspiration, tenacity, and determination provided the initial momentum, and Dr. Gozibert Kamugisha, whose steadfast dedication and persistence have driven the successful expansion of YST across every region of Tanzania.

On behalf of the entire Young Scientists Tanzania team, as well as the countless individuals involved from grassroots communities upwards, we eagerly embrace the exciting challenges and opportunities that lie ahead. We deeply appreciate the continued support from individuals, organizations, government entities, partners, and dedicated volunteers, whose collective contributions have been instrumental to our ongoing success.

As we look to the future, our resolve remains strong and our commitment clear: “Science for Development Works.”

Nabil Karatela,
Project Manager

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BACKGROUND

Tanzania's long-term prosperity relies on a new generation of problem-solvers, yet classrooms still face serious hurdles. Baseline research carried out in 2008-09 uncovered three critical gaps:

- Not enough qualified science teachers – barely 40 % of the required science and maths staff are in post today, leaving many classes without specialist guidance.
- Limited practical facilities – only 7 % of identified laboratory and library needs have been met, especially in rural schools.
- Rote learning led to poor results – in 2010 the overall Form IV (CSEE) pass rate stood at just 16 %, with Physics and Chemistry pass rates collapsing to the mid-40 % range.

The YST Solution - Founded in 2011, Young Scientists Tanzania (YST) introduced a two-part "Science for Development" model:

National Science Outreach & Mentoring Programme – teachers receive hands-on training in inquiry-based methods; student teams research real community problems using local materials.

Annual National Exhibition & Awards Ceremony – young innovators present their projects on a national stage, inspiring peers and attracting support from government, industry and universities.

What has changed after 15 years?

Indicator at Secondary Level	2010-11	2024	Progress
Overall Form IV pass rate	16 %	92 %	▲ 76 pp
Physics pass rate	45 %	74 %	▲ 29 pp
Chemistry pass rate	43 %	96 %	▲ 53 pp
Girls vs boys in Chemistry	Wide gap	96.05 % vs 96.69 %	Gap closed

Indicator at University Level	2018	2023	Change	% Growth
Medicine, Veterinary & Health Sciences	22,949	31,169	▲ 8,220	+35.8 %
Students in university IT & Comms	6,076	12,674	▲6,598	+100 %
Engineering	10,264	13,816	▲ 3,552	+34.6 %
IT & Communications Technology	6,076	12,674	▲ 6,598	+108.6 %
Agriculture	4,615	8,522	▲ 3,907	+84.7 %
Physical Sciences & Mathematics	1,697	3,176	▲ 1,479	+87.2 %
Mining & Earth Sciences	1,240	1,503	▲ 263	+21.2 %
Architecture & Planning	3,060	3,312	▲ 252	+8.2 %
Environment & Forestry	5,144	5,084	▼ -60	-1.2 %
Life Sciences	1,884	1,842	▼ -42	-2.2 %

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BACKGROUND

Key take-aways, showing steady improvement in STEM Subjects uptake at the Universities

- Strongest surges are in IT & Communications, Agriculture, and the core Physical Sciences & Mathematics cluster–fields aligned with Tanzania's digital-economy and agri-innovation priorities.

- Medicine and Engineering show solid, steady expansion of roughly one-third over five years, supplying critical professional talent.

- Marginal or negative movement in Environment & Forestry and Life Sciences suggests these areas may need renewed incentives–scholarships, research opportunities, careers messaging–to attract students.

Challenges at hand:

Improvement are much needed to be made on to the pass rates for each subject on better grade such as A and B and not fully feel confident on the pass rates based combined grades A, B, C and D as average passing mark. Rural schools continue to struggle with staff shortages and equipment gaps.

Why this matters now

YST shows that when teachers are mentored and students are encouraged to investigate everyday challenges, exam scores rise, gender gaps narrow, and more young people head into STEM degrees. The model aligns with Tanzania's 2023 competence-based curriculum and offers a scalable blueprint for other developing nations committed to turning science education into real-world development.

"By investing in STEM education, we are ensuring that Tanzania's young generation is equipped with the knowledge and skills needed to drive innovation and national development."

Prof Kitila Alexander Mkumbo
Minister of Planning and Investment addresing
at the YST 2024 Awards Ceremony

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INTRODUCTION

Young Scientists Tanzania is a unique and innovative programme in Africa, delivering two integrated and complimentary events in the Tanzanian secondary school academic year. The first is a comprehensive Science Outreach Mentoring Programme, covering all regions in Tanzania and the second is an attractive high profile Annual YST Exhibition and Awrds Ceremony in which secondary students showcase their research. The Annual YST Exhibition component is based on the Young Scientist template in Ireland. In Tanzania the Annual YST Exhibition is used to showcase the projects generated by schools participating in the YST Science Outreach Mentoring Programme.

The Science Outreach Mentoring Programme is an indigenous independent programme developed by YST to add value to the YST Exhibition and in doing so, develops a much-needed Science Culture in Tanzania. The Science Outreach Programme is the key component of YST as it builds much needed scientific capacity among young secondary level students and their teachers.

The Science Outreach Programme augments the Tanzania National five-year development plan as published by the Ministry Of Finance And Planning and the African Union, Continental Education Strategy Plan (CESA 2015-2025).

CESA 2015-2025, strategic objectives is to fully reorient African education and training systems towards the achievement of the African Union's vision and Agenda 2063. It plans to achieve this by strengthening the science and math curricula in youth training and by disseminating scientific knowledge and culture in society.

CESA 2015-2025 strategic objectives mirrors and aligns with the strategic objective of the YST Strategic Document 2011-Science for Development by:

a) Encouraging practical training

b) Rewarding innovation and innovators

c) Introducing science research at an early stage of education

d) Creating attractive extra-curricular activities such as science parks and clubs

e) Facilitating the implementation of incubator projects and mentorship programs

f) Employing informal and non-formal means of disseminating scientific knowledge and culture

g) Embedding contextualized scientific knowledge in curricula and

h) Promoting indigenous scientific knowledge and culture.

Mission:

Building a culture of science and innovation among secondary school students.

Aim:

To encourage and support young Tanzanians in engaging with science and finding practical solutions to everyday problems.

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HISTORY OF YOUNG SCIENTISTS TANZANIA

Introduction - Young Scientists Tanzania (YST) stands as a testament to the power of international collaboration in fostering scientific curiosity and innovation among the youth. The journey of YST, marked by dedication, perseverance, and partnership, began with a vision to bring Science for Development to Tanzania. This history highlights the key milestones and the invaluable connection between Ireland and Tanzania, which has been instrumental in the success of YST.

The Genesis of a Vision - The vision for the Science for Development Model in East Africa was conceptualized by Joseph Clowry, when Education Officer at the Combat Diseases of Poverty Consortium (CDPC), Maynooth University, Ireland and as Science/Development Education teacher at St. Mary's Academy, Carlow, Ireland. Clowry's role at the CDPC focused on promoting Science for Development in secondary schools across Ireland. His efforts included organizing workshops, seminars, and discussions that linked scientific research with the Millennium Development Goals (MDGs).

2008: Sowing the Seeds in East Africa - In 2008, Joseph Clowry piloted a Science for Development Outreach Program for East African researchers studying at Maynooth University, Ireland (2008-2012). This program proved inspirational, fostering a symbiotic relationship between Irish students and East African researchers. The success of this pilot encouraged the East African researchers to envision a similar Science Outreach Mantoring model in their home countries.

2009: Baseline Research and Initial Steps - To explore the feasibility of this vision, Clowry conducted baseline research in Tanzania. His findings confirmed the potential effectiveness of a Science for Development Outreach Mentoring program. Key Tanzanian stakeholders and supporters of the initiative at that time were Prof. Eligius Lyamuya from Muhimbili University and Dr. Gozibert Kamugisha from Dar es Salaam University. Meetings with Tanzanian Government Officials and NGOs solidified the foundation for YST.

2010: Establishing the Framework - The Government of Tanzania, through the Commision for Science and Technology (COSTECH) signed an MOU with YST and permission was granted to launch and conduct the Science Outreach Mentoring Programme in secondary schools. It was realized, an exhibition would be needed to showcase the success this programme and generate sponsorship for the overall Science for Development model. With support from Dr. Tony Scott, Co-founder of Young Scientists in Ireland, formal permission was granted to use the Young Scientist Ireland Exhibition template for the Tanzanian exhibition component of the emerging YST Science for Development model.

This support marked a significant milestone, as it allowed Clowry and Kamugisha to embed the Science Outreach Mentoring Programme in secondary schools in confidence, knowing they had a proven framework for the exhibition component to build upon. The YST exhibition would platform and showcase the success of the Science Outreach Mentoring Programme and thus generate much needed high profile PR, sponsorship and support for the whole programme.

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GROWTH OF YOUNG SCIENTISTS TANZANIA

2011: Official Launch of YST - On July 11, 2011, YST was officially registered in Tanzania as an NGO, governed by an independent board.The Science Outreach Mentoring Programme component was launched in August 2011, and schools were mentored to generate projects for the first exhibition. The first YST Exhibition was held on 6th November 2011 and was launched by Minister of Science and Technology, Prof. Makame Mbarawa. This marked the beginning of YST's remarkable journey in Tanzania. Four schools participated at the first exhibition, with Elizabeth Shitundu from Kiromo Secondary School, Bagomoya, winning the top award for her project on desalination.

2012-2013: Expanding Reach and Impact - The success of the initial exhibition led to the expansion of YST's outreach program. By 2012, the program had extended to ten regions, with 100 schools presenting their research at the YST 2012 Exhibition. Winners from this exhibition, Aisha Nduku, Monica Shirima, and Nengai Moses from Kibosho Girls Secondary School, were awarded the opportunity to travel to Ireland and participate in the BT Young Scientist & Technology Exhibition (BTYSTE) in 2013.

2014-2015: Growth and Recognition - In 2014, YST extended its outreach to 22 regions. The Awards Ceremony that year was televised live on national TV, increasing its visibility and impact. Dhariha Amour Ali and Salma Khalfan Omar from Lumumba Secondary School in Zanzibar won the top prize for their project on controlling flies. By 2015, YST had become a truly national competition, with participants from all 30 regions of Tanzania.

2016-2018: International Collaboration and Success - YST's influence continued to grow internationally. In 2016, a delegation from Kenya attended the YST Exhibition to learn from the Tanzanian model. Prosper Gasper and Erick Simon from St. Jude's Secondary School, Arusha, won the YST 2017 competition with their project on using mobile networks as a fire alert system. They represented Tanzania at the Expo Science in South Africa, winning a Gold medal in the Technology category.

2019: Continued Excellence - In 2019, the YST outreach program maintained its success, with Philipo Barde and Nasra Bakari Mpochi from Chief Dodo Secondary School winning the overall prize for their project on using Kivumbasi as a solution for beekeepers. Their success was further validated by winning a Gold medal at the Expo Science Exhibition in South Africa.

2020: Adapting to Global Challenges - The outbreak of COVID-19 in 2020 posed significant challenges. However, YST adapted by developing a digital platform for mentorship, judging, and exhibition. The first virtual awards ceremony was held, showcasing the resilience and innovation of YST. Glory Joseph Kiroche and Martha Samwel Machumu from Nganza Girls Secondary School won the overall prize with their project on hydroponic fodder for animal feeding.

Conclusion - The journey of Young Scientists Tanzania is a powerful narrative of how international collaboration can transform education and foster scientific innovation. The connection between Ireland and Tanzania has been pivotal in shaping YST into a model program that not only nurtures young scientific talent but also contributes significantly to the socio-economic development of Tanzania. As YST looks to the future, it remains committed to its mission of Science for Development, confident in its ability to overcome challenges and continue its remarkable impact.

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ORGANISATION OBJECTIVES

Science Outreach Mentoring - Organize regional workshops to mentor science teachers and students.

Young Scientists Tanzania (YST) equips teachers with the skills to inspire and guide their students in science. Our regional workshops provide hands-on training, enabling teachers to conduct experiments with locally available materials and foster inquiry-based learning. By empowering teachers, we enhance the quality of science education, benefiting numerous students across Tanzania.

Student Engagement - Encourage secondary school students to undertake scientific research on topics relevant to their communities.

YST promotes student research on community-relevant issues like clean water, sustainable agriculture, health, renewable energy, and climate change. This approach develops critical thinking and problem-solving skills, instills responsibility, and prepares students for future academic and career paths.

Digital Engagement - Facilitate the digital submission, remote screening, and judging of projects for the Annual YST Exhibition and Award Ceremony.

YST's digital engagement strategy ensures program continuity. Students submit projects online, participate in virtual mentoring sessions, and have their work evaluated remotely. This framework broadens access, allowing participation from remote areas without extensive travel.

Annual Science Exhibition - Host a successful science exhibition in every region to showcase student projects and innovations at National Level.

The annual YST exhibition celebrates student innovation. Students present projects to judges, peers, and the public, fostering a sense of community. Awards and scholarships for outstanding projects encourage continued scientific pursuit, highlighting Tanzanian youth's creativity and ingenuity.

Public Engagement - Attract interest and support from the public, academia, government, donors, and the private sector.

YST engages stakeholders to garner support and raise awareness. We collaborate with academic institutions, government agencies, donors, and the private sector. Public engagement activities include community science fairs, public lectures, media campaigns, and partnerships with local organizations.

Sustainable Development- Develop a sound basis for the continued growth and development of YST.

Sustainability is central to YST's mission. We build a robust organizational structure through strategic planning, capacity building, and continuous impact evaluation. We secure long-term funding through grants, sponsorships, and fundraising events, fostering scientifically literate and socially responsible citizens.

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SCOPE OF WORK

YST focuses on promoting science and innovation among secondary school students throughout Tanzania. The organization conducts various activities such as science outreach mentoring workshops, exhibitions, and awards ceremonies. YST aims to popularize science, link students with appropriate mentors, and encourage students to view their research in the context of the global scientific community.

Science Outreach Mentoring Workshops:
YST organizes regional workshops that provide hands-on training and mentorship to science teachers and students. These workshops aim to enhance teaching methodologies and foster inquiry-based learning. Teachers learn to conduct experiments using locally available materials and incorporate scientific principles into their lessons, making science education more practical and engaging.

Mentorship and Guidance:
YST connects students with mentors from academia, government, and the private sector. Mentors provide guidance and support throughout research projects, helping students refine ideas, conduct experiments, and analyze data. This program ensures students have access to expert advice and resources, enhancing research quality and success chances.

Annual Science Exhibitions:
The annual science exhibition is a hallmark event where students showcase their innovative projects and research findings. These exhibitions attract educators, scientists, government officials, and the public, raising awareness about the importance of science and technology. Students present their work to judges and compete for awards and scholarships, motivating them to pursue scientific interests.

Awards Ceremonies:
The awards ceremonies celebrate the achievements of young scientists. Outstanding projects are recognized, and students receive awards, certificates, and scholarships. These accolades honor students' hard work and creativity, boost their confidence, and encourage continued studies and careers in science and technology.

Promotion of Science and Innovation:
YST aims to popularize science through media campaigns, public lectures, and community events. By making science accessible and exciting, YST inspires more students to pursue STEM (Science, Technology, Engineering, and Mathematics) fields.

Linking Students to the Global Scientific Community:
YST encourages students to view their research in a global context. Participation in international science fairs and competitions exposes students to global scientific standards and practices. This perspective helps students understand their research's broader implications and aspire to contribute to global advancements.

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WORKING MODALITIES

YST collaborates with the Tanzanian Government, academic institutions, development organizations, and private sector partners to promote science and innovation among secondary school students. This collaborative approach ensures that YST's programs are well-rounded, impactful, and sustainable.

Government Collaboration:
YST works closely with the Ministry of Education, Science and Technology, and the President's Office – Regional Administration and Local Government (TAMISEMI). These partnerships are crucial for aligning YST's programs with national educational goals and policies. Government support also helps in the smooth execution of regional workshops and science exhibitions. By working with government bodies, YST ensures that its initiatives receive the necessary endorsements and resources, facilitating broader reach and impact.

Academic Partnerships:
Collaboration with universities and research institutions allows YST to provide students with access to advanced scientific knowledge and resources. These institutions offer mentorship, laboratory facilities, and expertise that enhance the quality of student projects. Academic partners also participate in the judging process during exhibitions, ensuring a high standard of evaluation and feedback for student projects.

Development Organizations:
YST partners with various development organizations that share a commitment to educational and scientific advancement. These organizations provide funding, technical support, and capacity-building opportunities. Through these partnerships, YST can scale its programs, introduce new initiatives, and continuously improve its operations. Development organizations also help in monitoring and evaluating the impact of YST's activities, ensuring accountability and effectiveness.

Private Sector Engagement:
Engaging the private sector is vital for the sustainability and expansion of YST's programs. Private companies contribute through sponsorships, donations, and in-kind support. They also provide real-world industry insights and opportunities for students to see the practical applications of their scientific knowledge. By involving the private sector, YST can offer students exposure to potential career paths in science and technology industries.

Regional Workshops:
YST conducts regional workshops that serve as a foundation for its mentoring program. These workshops are designed to train teachers and students in scientific research methodologies, project development, and experimental techniques. By focusing on regional needs and resources, the workshops are tailored to address the specific challenges and opportunities faced by communities. This localized approach ensures that the training is relevant and immediately applicable.

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WORKING MODALITIES

Annual Exhibition and Awards Ceremony:
The annual exhibition and awards ceremony are flagship events for YST. These events provide a platform for students to showcase their innovations and research projects to a wide audience, including peers, educators, government officials, and industry leaders. The exhibitions foster a competitive yet supportive environment where students can receive constructive feedback and recognition for their efforts. The awards ceremony celebrates the best projects, offering scholarships, certificates, and other incentives to motivate students further.

Stakeholder Engagement:
YST actively engages stakeholders from various sectors to create a supportive ecosystem for its initiatives. This includes organizing public lectures, science fairs, and community outreach programs to raise awareness about the importance of science and technology. Stakeholder engagement helps in building a network of supporters and advocates who can contribute to the success and sustainability of YST's programs.

Continuous Improvement:
YST is committed to the continuous improvement of its programs and methodologies. Feedback from participants, mentors, and partners is regularly collected and analyzed to refine and enhance the effectiveness of the workshops, exhibitions, and other activities. This iterative process ensures that YST remains responsive to the evolving needs of students and the educational landscape.

In summary, YST's working modalities involve a comprehensive and collaborative approach that leverages the strengths of government bodies, academic institutions, development organizations, and the private sector. Through regional workshops, annual exhibitions, and stakeholder engagement, YST creates a dynamic and supportive environment for nurturing young scientists and fostering a culture of innovation in Tanzania.

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GEOGRAPHICAL COVERAGE

YST operates nationwide in Tanzania, covering all 31 regions. This extensive geographical coverage ensures that the benefits of YST's programs reach students and teachers in both urban and rural areas, promoting inclusivity and equal access to science education across the country.

Regional Coordinators:
To effectively manage this wide reach, YST works with a dedicated team of regional coordinators. These coordinators are strategically positioned in different regions and are responsible for organizing and overseeing local activities. They serve as the primary contact points for schools and communities, ensuring that YST's initiatives are well-implemented and tailored to the specific needs of each region.

Regional Workshops and Regional Exhibition:
YST conducts regional workshops in all 31 regions of Tanzania. These workshops are designed to provide hands-on training and mentorship to science teachers and students. The content of the workshops is customized to address the unique challenges and opportunities in each region. This localized approach ensures that the training is relevant and impactful, helping to build a strong foundation for science education in diverse settings.

Community Engagement:
YST's geographical coverage extends beyond schools to include community engagement initiatives. By organizing public lectures, science fairs, and outreach programs, YST reaches a broader audience, raising awareness about the importance of science and technology. These community-based activities help to cultivate a culture of curiosity and innovation, encouraging more young people to pursue careers in STEM fields.

Partnerships with Local Institutions:
In each region, YST partners with local educational institutions, government bodies, and non-governmental organizations. These partnerships enhance the effectiveness of YST's programs by leveraging local resources, expertise, and networks. Collaboration with local institutions also ensures that YST's initiatives are culturally appropriate and sustainable, with strong community support.

Impact on National Development:
The nationwide coverage of YST's programs contributes significantly to Tanzania's national development goals. By promoting science education in all regions, YST helps to build a skilled workforce capable of driving innovation and economic growth. The program also supports social development by encouraging critical thinking, problem-solving, and community engagement among young people.

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GOVERNANCE AND LEADERSHIP

Young Scientists Tanzania (YST) is guided by a robust, values-driven system of governance that champions innovation, inclusiveness, and science-for-development. An independent Governing Board Members provides strategic oversight and approves all major decisions, while the Management leads day-to-day operations and charts the organisation's long-term course.

OUR MANAGEMENT TEAM

Dr Gozibert Kamugisha - *Board Secretary, Co-Founder*

Joseph Clowry - *Honorary Member,Co-Founder*

Nabil Karatela - *Project Manager*

Hadija Msafiri - *Admin and Finance*

Swaumu Makongoro - *YST Promotions Officer*

OUR GOVERNING BOARD MEMBERS

Prof Yunus Mgaya - *Board Chairperson*

Dr Goziber Kamugisha - *Board Secretary, Co-Founder*

Dr Angelina Bijura - *Board Treasurer*

Josephy Clowry - *Honory Member, Co-Founder*

Prof Eligius Lyamuya - *Emiratus Board Member*

Prof Emmanuel Balandya - *Board Member*

Prof Evalina Mbede - *Board Member*

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YST IMPACT 2012 - 2024

YST Impact Summary

- 27 YST Overall Winners have been awarded university scholarships between 2012-2024
- 22 Special Education Award students have been awarded university scholarships between 2013-2024
- 42% Girls and 58% Boys is the average ratio of the winners of various awards between 2012-2024
- 3,175 Students and 1,530 Teachers participated in YST Exhibition between 2012-2024
- Over 2,788 Teachers have been trained during the outreach activities between 2012-2024
- Over 16,876 Students have also gained training during the outreach activities between 2012-2024

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WORKING PARTNERS

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GLIMPSE OF OUR WORK

PHOTOS OF VARIOUS TEACHERS AT SCIENCE OUTREACH WORKSHOPS

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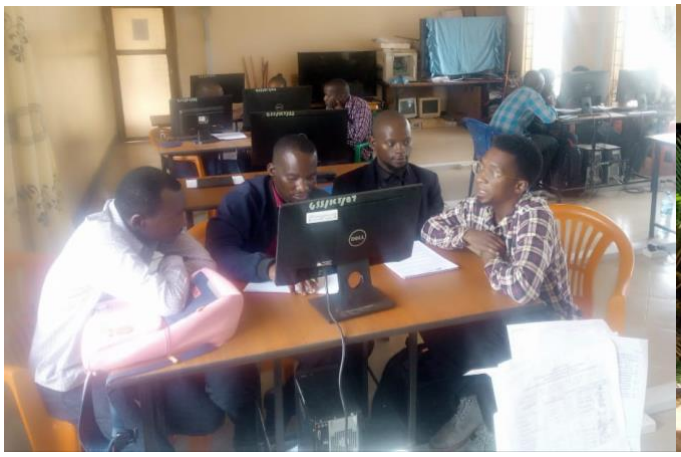
GLIMPSE OF OUR WORK

PHOTOS OF VARIOUS TEACHERS AT SCIENCE OUTREACH WORKSHOPS



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GLIMPSE OF OUR WORK

REGIONAL EXHIBITIONS






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GLIMPSE OF OUR WORK

Physical Exhibition and Award Ceremony at Julius Nyerere International Convention Centre (JNICC) (Sept)

Spoonsors, Government Officials and Invited Guests were invited to the high Profile Exhibition and Award Ceremony Program on the 19th September 2024. The YST Team, Science Advisors, YST Regional Coordinators and YST Volunteers worked together to deliver this Annual National Event.

The Award Ceremony was be broadcasted live on 19th September 2024 to our social media accounts such as YST Twitter, Facebook, Instagram and Youtube.

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GLIMPSE OF OUR WORK

Physical Exhibition and Award Ceremony at Julius Nyerere International Convention Centre (JNICC) (Sept)









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GLIMPSE OF OUR WORK

Physical Exhibition and Award Ceremony at Julius Nyerere International Convention Centre (JNICC) (Sept)

A high-Profile Exhibition and Award Ceremony Program was held for Sponsors, Government Officials and Invited Guests was held on 19th September 2024

The Exhibition included Top 45 Projects and awarded overall 30 various Awards.

Video Highlights 2024

Click Above to View the Highlights

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