



teensinai
Tanzania

Tanzania International Women's Day Hackathon 2022

Hackathon Report
March 2022



Our Vision



We believe in harnessing **technology** to create a **fair** world where everyone has **equal** opportunity to **maximise** their potential.

Aim of the Tanzania hackathon



The Teens In AI hackathons exist to **inspire the next generation** of ethical AI researchers, entrepreneurs and leaders who will shape the world of tomorrow.

It aims to give young people **early exposure to AI** being developed and deployed for social good.

The hackathons are a networking opportunities that create the platform for young people aged **12-18** to explore AI, machine learning, and data science.

Objectives of the Tanzania hackathon

- **Strengthen** Tanzania's young people's understanding of AI, critical thinking, ethics and team collaboration
- Use AI as a tool for **social impact** and encourage Tanzania's youths to use AI for social good - all challenges are aligned with UN Sustainable Development Goals
- NextGen upskilling and potential development of **talent pipeline**
- **Incubate new AI products, business, and project ideas** (all ideas can be used as inspiration to understand the new arising passions and concerns of Tanzania's younger generations)
- **Diversity & inclusion** focus at scale, especially in preparation for AI

MEET THE TEAM



ROSE NKULU
Operations Lead



RAYA IDRISSA AHMADA
Hack Manager Znz



KAI MAEMBE
Lead Organiser



ANNA MBUNDA
Hack Manager Dar



LETICIA NKULU
Tech Lead

Summary Note



Kai Maembe
Lead Organiser
Teens in AI Tanzania

International Women's Day this year focused on the #BreakTheBias campaign, striving towards a world without stereotypes or discrimination.

As with every campaign, we wish to encourage greater involvement in STEM by young people, particularly girls, and underrepresented communities from around the globe.

Currently, less than a third of female students across the world choose to study higher education courses in STEM subjects & only 15% of the tech workforce are from an ethnic minority background.

This lack of diversity leads to technology being developed that doesn't fairly benefit everyone.

To address this, our hackathons provide teenagers across the world a platform to learn the skills to drive innovation, as well as a supportive community that believes in their potential.

This campaign saw almost 100 teenagers joining us from Dar Es Salaam and Zanzibar, learning about AI.

Despite challenges along the way, including lack of access to good quality wifi, persistent electricity cuts and lack of sufficient resources, the passion and spirit of both participants, mentors and speakers helped us create a successful campaign.

I would like to thank all participants, sponsors, partners, keynote speakers, speakers & judges as well as my team for making this event a success.

UN Sustainable Development Goals tackled in this campaign



3 GOOD HEALTH AND WELL-BEING

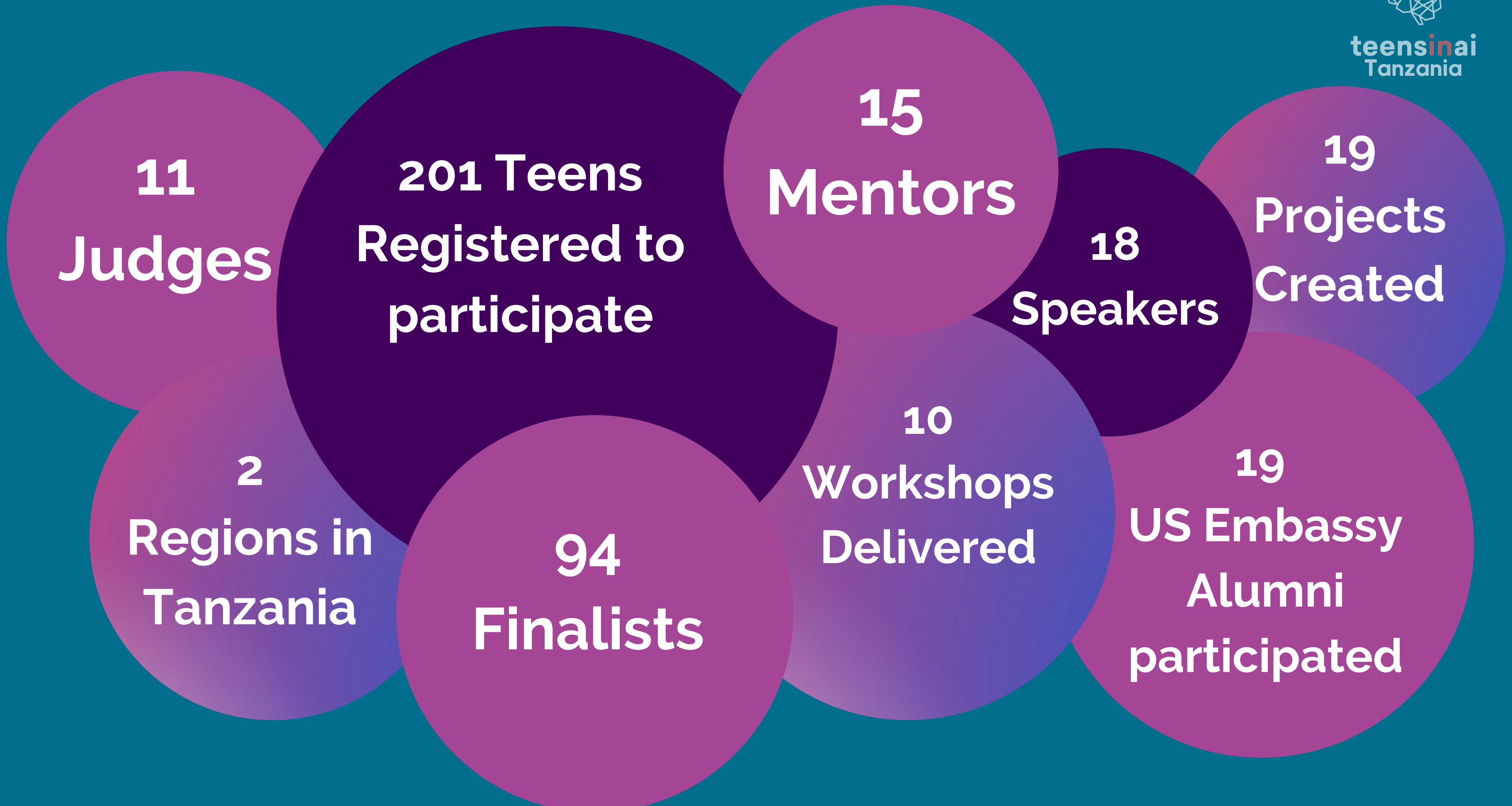


4 QUALITY EDUCATION



5 GENDER EQUALITY





11
Judges

201 Teens
Registered to
participate

15
Mentors

18
Speakers

19
Projects
Created

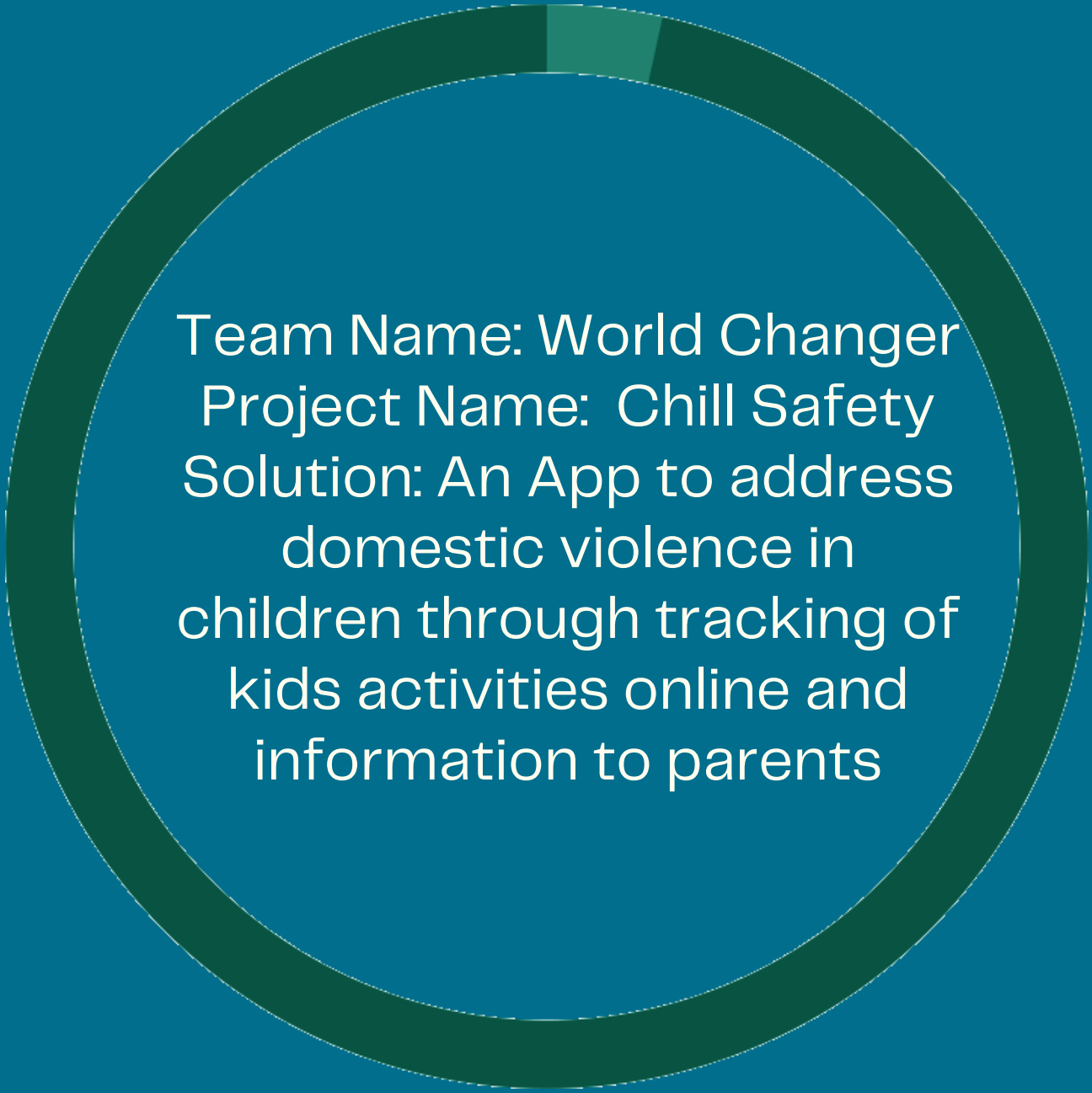
2
Regions in
Tanzania

94
Finalists

10
Workshops
Delivered

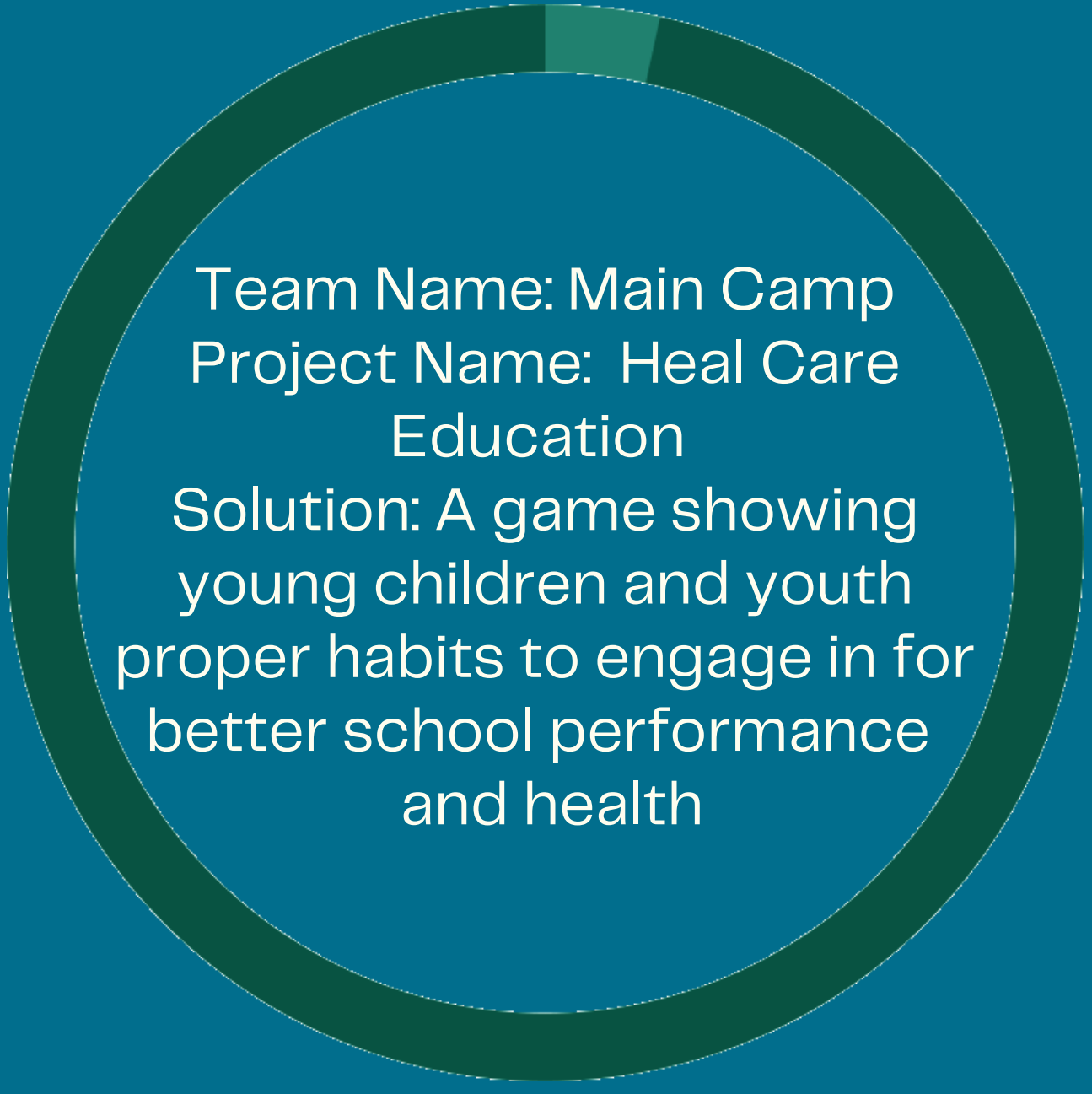
19
US Embassy
Alumni
participated

1st prize Winners



Team Name: World Changer
Project Name: Chill Safety
Solution: An App to address
domestic violence in
children through tracking of
kids activities online and
information to parents

Zanzibar



Team Name: Main Camp
Project Name: Heal Care
Education
Solution: A game showing
young children and youth
proper habits to engage in for
better school performance
and health

Dar Es Salaam

2nd prize Winners

Team Name: Scientists
Bravo

Project Name: Learn
Environment App

Solution: An App that
brings awareness about
the environment and
allows users to interact
with it.

Zanzibar

Team Name: Victory
Group

Project Name: Victory
Project

Solution: An app that
helps someone to
modern best educational
application ways in daily
life.

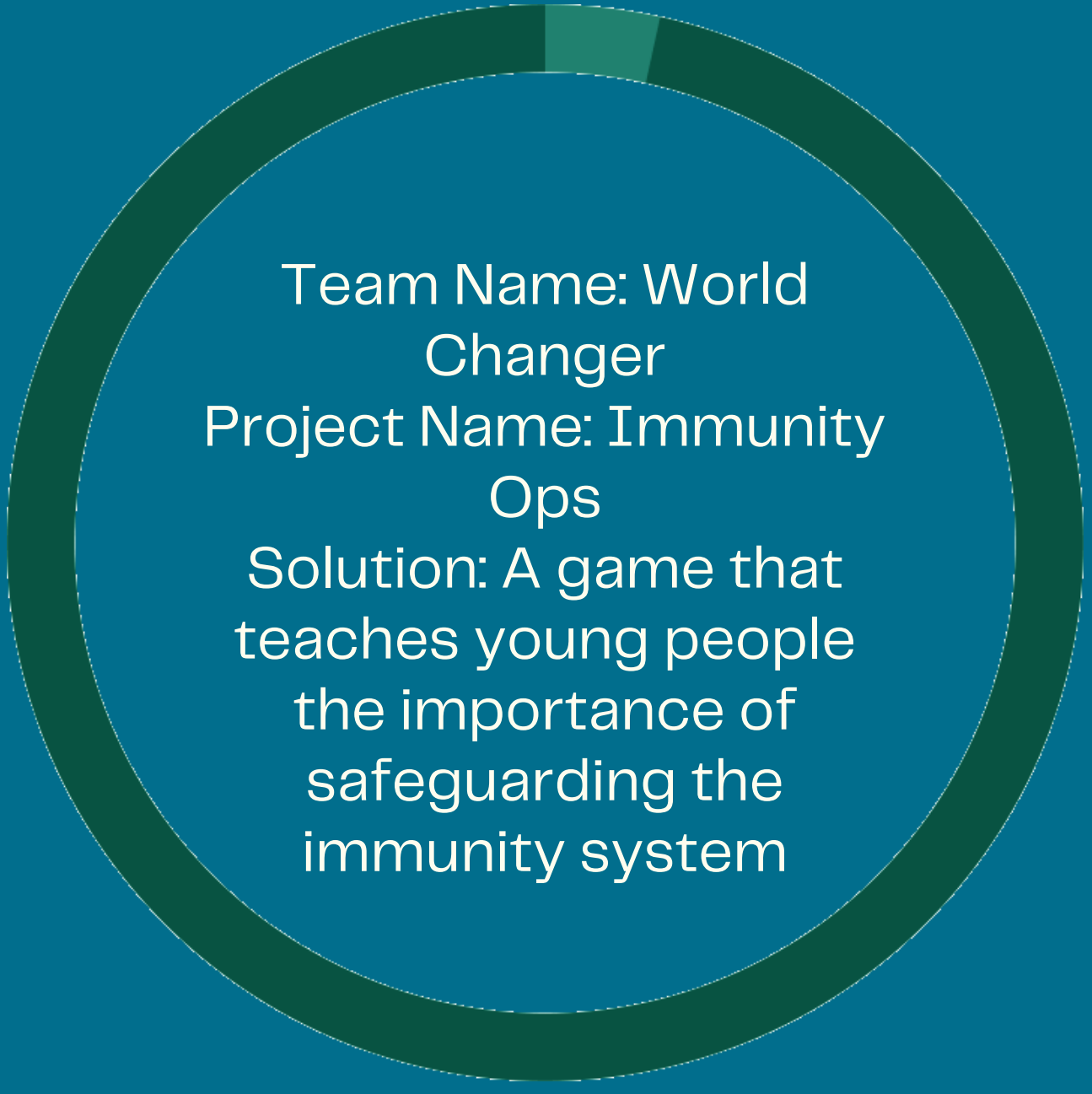
Dar Es Salaam

3rd prize Winners



Team Name: Team
Unique
Project Name: Covid
Micro Detector
Solution: An app that
detects people
infected with covid 19

Zanzibar



Team Name: World
Changer
Project Name: Immunity
Ops
Solution: A game that
teaches young people
the importance of
safeguarding the
immunity system

Dar Es Salaam

Teen Statistics

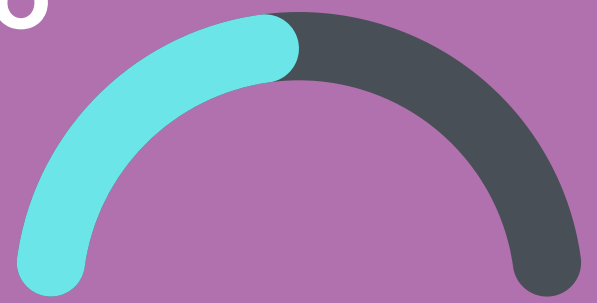


Average age: 14

60% female/male



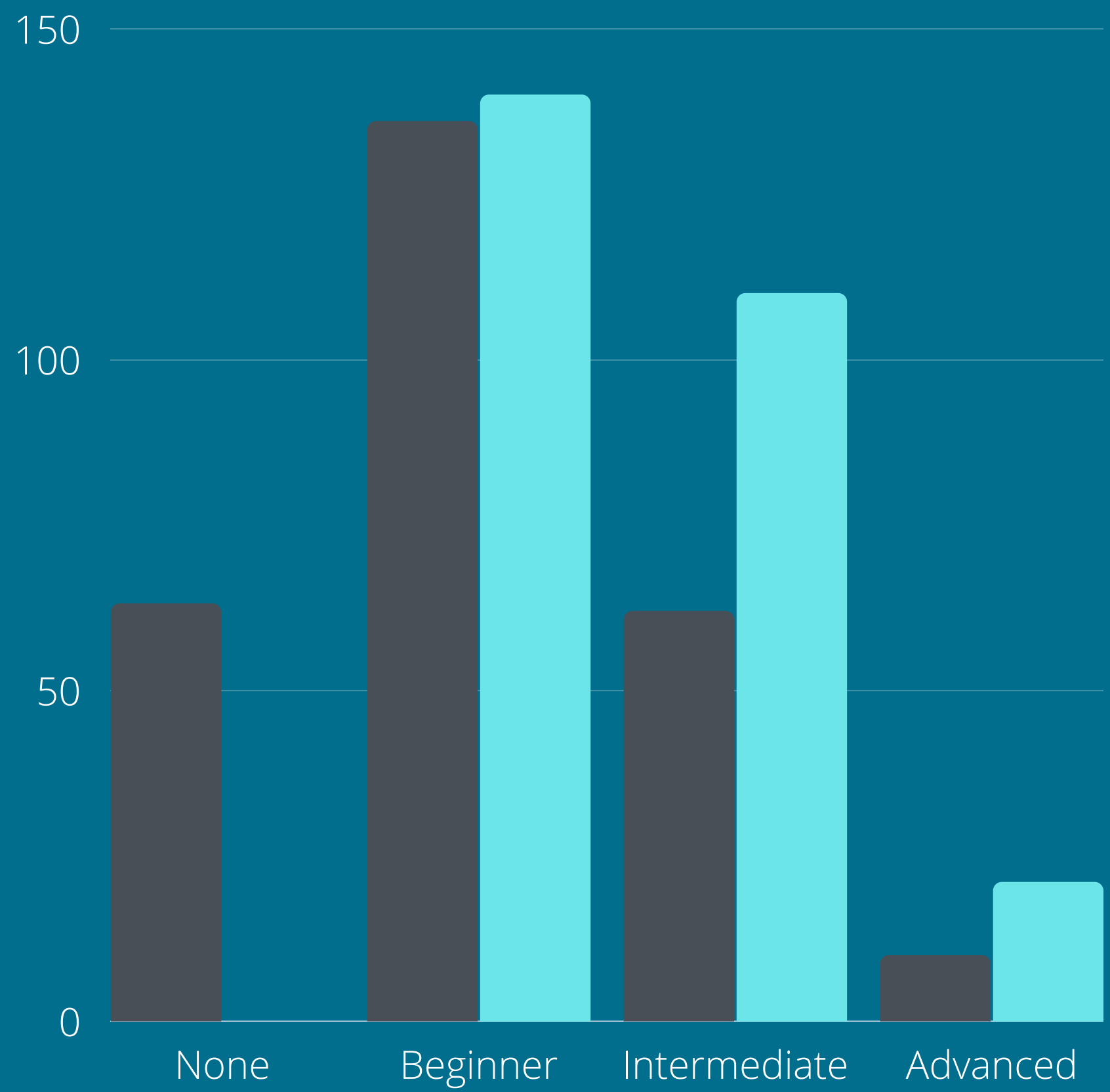
50% would like to develop coding skills further



52% stated that teamwork was their favourite part of the hackathon

Coding Level

Before
After



Teen Statistics

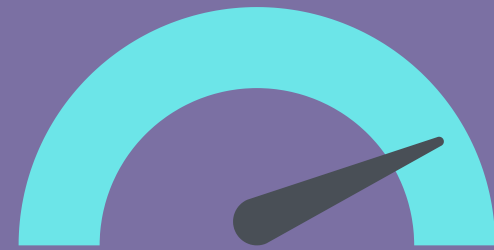


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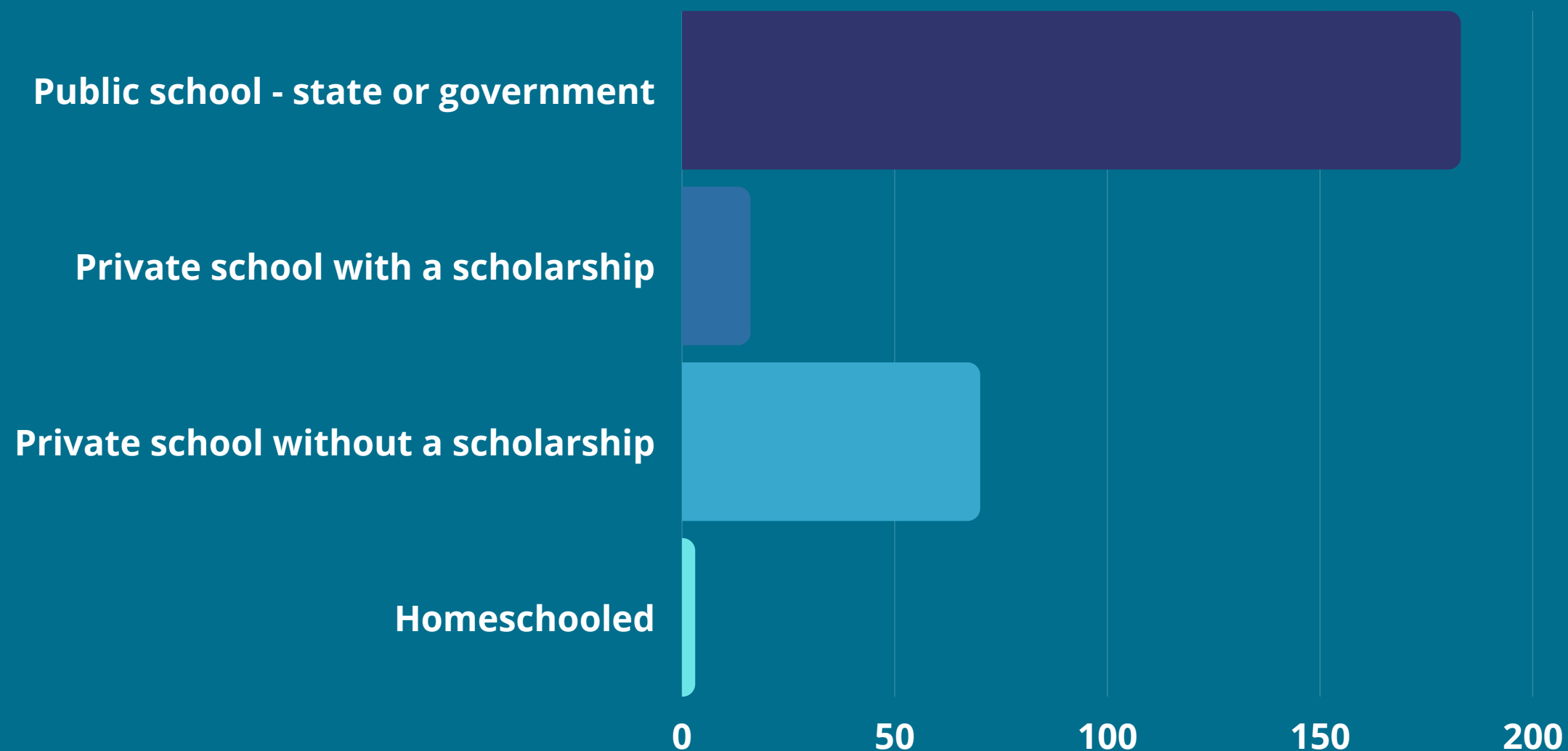
Teens scored the hack

83.6 out of 100

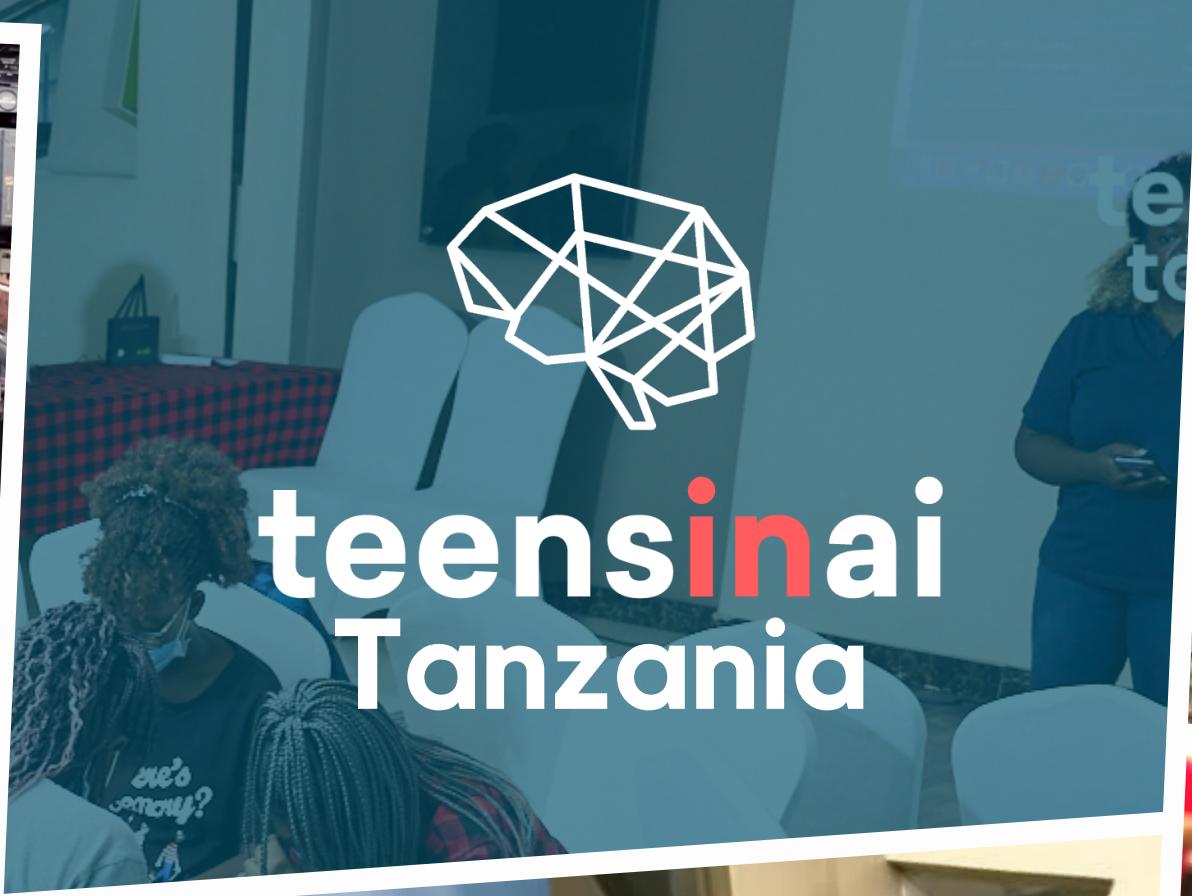
in terms of how helpful it was
for their career guidance



73% gained more knowledge on AI







Media Coverage and Highlights



<https://www.youtube.com/watch?v=FIPPYDZzhzI>
<https://www.youtube.com/watch?v=-JDnNfadv90>



<https://www.youtube.com/watch?v=Ub7crZZzMRA>
https://www.instagram.com/tv/CavH5FYKQ2t/?utm_medium=copy_link



<https://www.youtube.com/watch?v=bnaAHpIU-eY>
<https://www.youtube.com/watch?v=ETNHEJQI-Qo>



https://www.youtube.com/watch?v=9ZbBiq_m0IE



<https://www.youtube.com/watch?v=gtSOcEUBmcc>
<https://www.youtube.com/watch?v=2XP1fNfZDL4>



<https://www.youtube.com/watch?v=DHilQeUJhPw>



<https://www.instagram.com/teensinaitz/>
https://web.facebook.com/TeensInAITZ/?_rdc=2&_rdr



https://m.facebook.com/story.php?story_fbid=336149568554454&id=100064782398278&sfnsn=mo





**Guest of Honour,
Key Note Speakers,
Speakers
& Judges**

GUEST OF HONOR

5th March 2022



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The Hackathon was officiated by his Excellence,
the Ambassador of the United States of America in Tanzania



GUEST OF HONOR

Donald J. Wright

U.S. Ambassador to Tanzania



Tanzania IWD 2022 Hackathon Speakers

5-8 March 2022

<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Daudi Boaz Head of Corporate Sales Smile Communications</p>  <p></p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Ivan Tarimo Founding Partner at BANKABLE (T) LIMITED</p>  <p></p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Kheri Mbiro Senior Partner & Co- Founder at Breakthrough Attorneys, Registered Tax Consultant & Accredited Arbitrator</p>  <p></p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Jeremy Quainoo Strategic Partnerships lead at JUMO</p>  <p></p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Ayoub Msuya TELTA, President and Social & emotional learning Expert</p>  <p></p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Noah Maina Senior Mentor at Binary Institute</p>  <p></p>
<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Gidibo Tindwa Senior Director TeachUNITED Africa</p> 	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Sophia Mng'anya Senior Broadcast Media Manager & Consultant</p> 	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Josephine Mbuya Representative of SWAN Technologies Limited & Abenry Advocates</p>  <p> </p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Zephania Reuben Country Director of Marketing at AIESEC in Tanzania & Software Engineer at Beem</p>  <p> </p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Raya Idrissa Ahmada Assistant - State University of Zanzibar (SUZA)</p>  <p></p>	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Abdillah Kassim MOTIVATIONAL SPEAKER @U.S Embassy</p> 
<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Sharifa Ali Omar</p> 	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Kombo Dhikri Kombo Managing Director of Combo Safaris.</p> 	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Mussa Mbwara</p> 	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Moza Mohammed Said</p> 	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER Dr Huda Ahmed Lecturer at Muslim University of Morogoro</p> 	<p>TEENSINAI TANZANIA IWD HACKATHON 2022</p> <p>SPEAKER curiemam@gmail.com Graduated from Bachelor of Arts in Geography and environmental studies at SUZA.</p> 

Tanzania IWD 2022 Hackathon International Speakers

TEENSINAI TANZANIA
IWD HACKATHON 2022



GUEST OF HONOR

Donald J. Wright
U.S. Ambassador to Tanzania



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IWD HACKATHON 2022



DEMO DAY

KEYNOTE SPEAKER

Robert A. Raines
Deputy Chief of Mission
U.S. Embassy in Tanzania



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SPEAKER

Elena Sinel
Founder Teens In AI
Global



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SPEAKER

Jeremy Quainoo
Strategic Partnerships
lead at JUMO



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SPEAKER

Ludo Kockelkorn
senior Expert Project
Manager in Business
Incubators at PUM
Netherlands senior experts





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TEENS IN AI IWD TANZANIA HACKATHON 2022

KEYNOTE SPEAKERS



Demo Day
20th March 2022



ROBERT RAINES

DEPUTY CHIEF OF MISSION,
U.S. EMBASSY, DAR ES
SALAAM



ZUWEINA FARAH

CHIEF EXECUTIVE OFFICER
SMILE COMMUNICATIONS



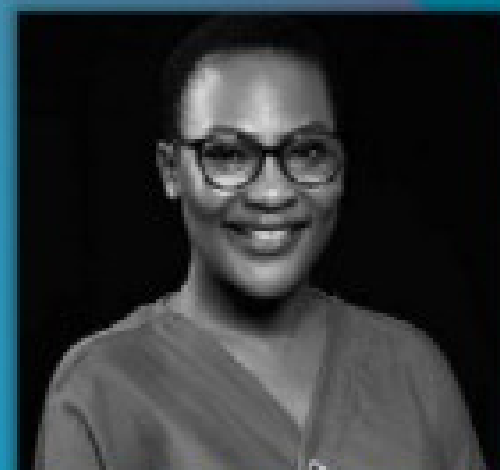
TEENS IN AI IWD TANZANIA HACKATHON 2022



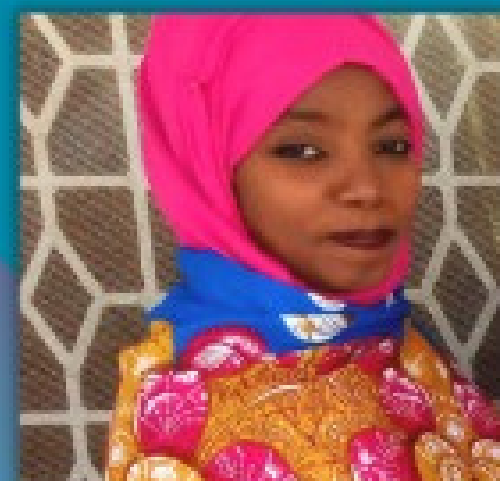
Panel Of Judges

Demo Day

Teens In AI Tanzania * 20th March 2022



MS. LILIAN MALLYA
Institutional Sales Executive



MS. ESHE HAJI RAMADHAN
Project Manager Education - MZF



ROBERT RAINES
Deputy Chief Of Mission - U.S.
Embassy, Dar Es Salaam



ZUWEINA FARAH
Chief Executive Officer - Smile
Communications



MS. PATIENCE ABRAHAM
Manager - Buni Hub, Costech



DR. ZAINAB KATIMA
Lecturer



DR. HERI TUNGARAZA
Oncologist



Mr. OMAR MOHAMED NASSOR
Assistant Lecturer - SUZA



MS. BEATRICE MWAMBIYE
Entrepreneur - NMB Plc



MS. ROSELYNE MARIKI
National Director - Lyra Africa



MR. ALI A ABDULLA
Assistant Lecturer - SUZA



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Testimonials

..... Words from our sponsors



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"I just have to say that i am so impressed by what we saw today. There was so much creativity, they were so confident!!"

"I am so excited about this program because it's about empowering girls and women and because it is International Women's Day and Women history month. And when you see it on their faces... you see all the excitement and all the creativity that its brought...you can see that the project has hit its mark!!"

Robert Raines, Deputy Chief of Mission U.S. Embassy in Tanzania

"Artificial Intelligence, Machine Learning and Data Science is the future. This is an opportunity to tap into talent that understands AI and ML. Turn out is great, we connected with young, excited and enthusiastic innovators today!!! "

Zuweina Farah, CEO Smile Communications Tanzania

"To be honest, I came here to inspire, but i ended up being inspired by how bright these kids are!!"

Webiro Wasira, Teens In AI Advisor

"At Teens In AI Tanzania I learnt how to be a productive teen and help my country and the whole world to solve different problems through the use of Artificial Intelligence something I never thought as a normal teen I could be able to. This makes me feel that I can be of use for the present and the future world in an easier way so I encourage more teens to join the activities and become the next changemakers"

Sheila Aron, 18 years old, Dar Es Salaam

"I didn't know anything about AI. After the hack, i now know what is AI, how to use electronics responsibly! I also got to meet other teens and share ideas."

Ramlat Abdalla, 16 years. Zanzibar

.....**words
from the
participants**

"It was a fun and great experience
As we were to get new friends
We were able to see the other world of tech that is AI "

Elke Elgin 16 years old, Dar Es Salaam

"It was wonderful and amazing opportunity I never had , it was my first time to hear but is my first time I learned more thing that are included in my dreams. I appreciate hackathon for the knowledge they provide I feel I'm so lucky to get this golden chance in my life "

Huda Hamis Mohamed, 16 years. Zanzibar

"I learnt during the hackathon, how to interact with other teens who are different than me. I also learnt about AI and tech. I am happy because i made new friends"

Mufida 18 years old, Zanzibar



" My experience during this hackathon was to develop my knowledge based in reality Like John Dewey once said, "If we teach today as we taught yesterday , we rob our children of tomorrow." So Students in early age they have been taught things that they can go with until to reach their carreers based or improve their interest. Such a great initiative and I'm grateful to be part of the movement to empower the next generation of change makers. I wish this program would happen every year or several times a year so that it reaches mo student who are in different states in order to increase number of people or students who are wise in Artificially Intelligent and other Technology for helping their communities."

Zamzam Juma Hamad , Mentor

" Such a great initiative and I'm grateful to be part of the movement to empower the next generation of change makers."

Joan, Mentor



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..... words from our mentors

"This initiative delivers a spark. A spark that ignites the nascent hidden potential of bright eyed ambitious kids.

There are many things kids can achieve in their promising future if only they can get a spark and a nudge in the right direction in creating, nurturing and realising their dreams.

My personal experience was feeling like a spark there to impress on and nudge the young talents to a brighter future where they use their skills in AI and their understanding of aspects of communication, confidence; learning from victory as well as defeat."

Ivan Tarimo, Partner BANKABLE

"I prepared a Zoom presentation on "Entrepreneurship, AI and Business Ideas". Therefor I took the region and the age of the participants as a link for creating business ideas. I do hope that at least one team of youngsters is going on with their or our idea. Thinking about the UN conference in Nairobi on waste management in the same week as the hackathon makes this subject very actual."

Ludo Kockelkorn, PUM Senior Advisor, Netherlands

Lessons Learned



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- Many participants who reach the end of the program would like to continue to learn about AI and ML. We have established MoU with 3 different tech organisations to link teens for more trainings.
- The awareness program with the media has created a large response from other regions where the hackathon are yet to start. In the upcoming October hackathon, Teens In AI hackathon will expand and include Mwanza and Arusha regions.
- The drop out rate between teens registered and teens that finish the program is 50%, which is quite high. This is contributed by a number of reasons as stated in the challenges.
- To reduce the number of drop outs, in the upcoming hackathon, youth will be pre selected through a selection process to make sure that we end up with committed and determined teens that will participate fully until the end of the program.

Challenges Encountered



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- Participants especially from public schools do not have access to personal computers and reliable and stable internet connection. This has contributed to the high drop out rate of teens.
- Some participants have trouble getting authorisation from parents when they need extra time to work on the project and meet up with fellow group members.
- In Zanzibar, parents have hard time letting their girl child leave home to attend trainings and meet up with fellow group members to work on their project. However, it is in Zanzibar where the participation of girls was more than 80%.
- Due to unstable connectivity and unreliable internet, having a hybrid hackathon has proven to be impossible forcing organisers to opt for a 100% onsite hackathon which is costly and requires time investment in coordination of activities. More funding and partnerships will be needed for upcoming hackathons.

What's Next...



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Teens In AI Tanzania/UJUZUZI Forum

SAVE THE DATES!

June- July
Holidays Digital
Literacy
Bootcamp
June 2022

Pycon
Conference in
Zanzibar
December
2022

Teens In AI
Adalove Lace
Day
Hackathon
October 2022

Support Us

If you wish to join us on our mission to empower the next generation of Tanzania's AI technologists, innovators and change makers as a **Sponsor or Partner**, please reach out.



Kai Maembe
C.E.O UJUZI Forum

Lead Organiser Teens In AI Tanzania
kai.maembe@ujuziforum.org



Webiro Wasira
Advisor

Teens In AI Tanzania & UJUZI Forum
webiro.wasira@ujuziforum.org

We would love to hear from you.

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