

CYBERSUCRITY
BOOTCAMP

H4K-IT

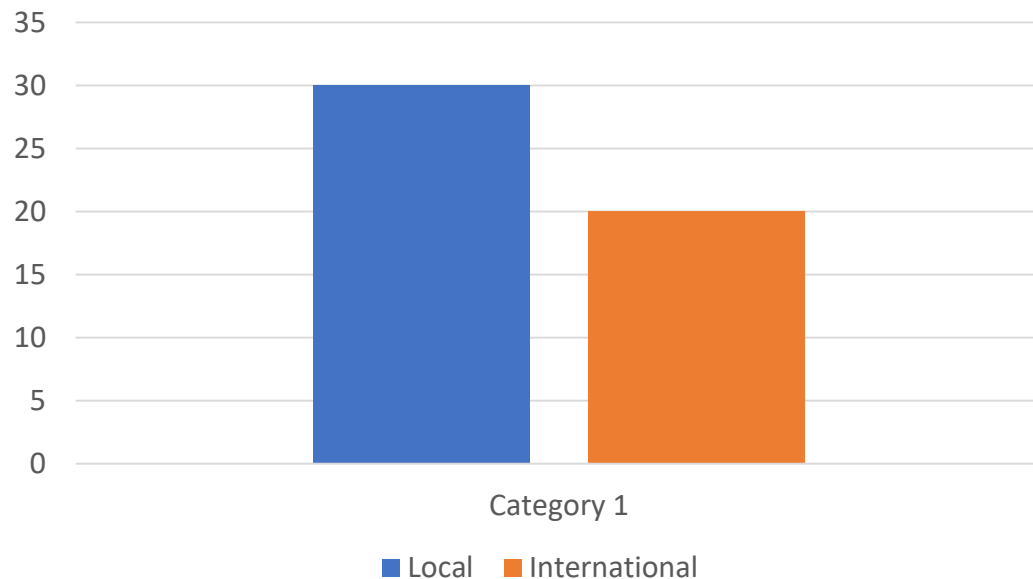
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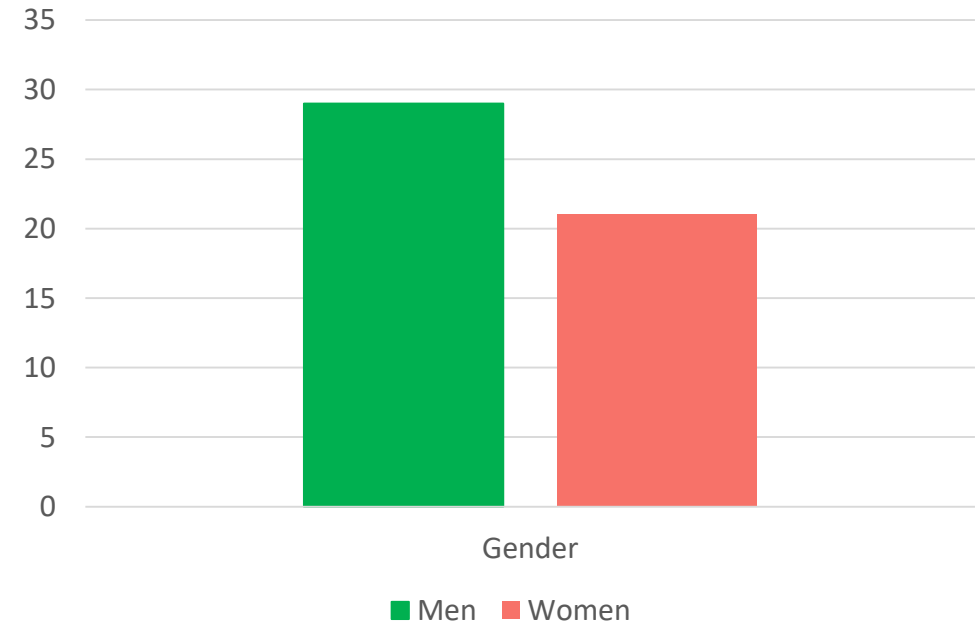
H4K-IT BOOTCAMP COHORT 2

H4K-IT commenced its second cohort, with registration beginning on April 23, 2024. The registration period lasted for two weeks, followed immediately by the selection process. We aimed to select a total of 50 candidates. Among those chosen, 30 were Tanzanians, while the remaining 20 were international participants from Kenya, Uganda, the USA, Malaysia, Nigeria, Tunisia, Ireland, and Oman. From the same numbers of participants 21 were women and 29 were men. This year the women participants were more compared to the cohort 1.

Nationalities



Participants



PROFESSIONALS ATTENDEE'S

From the participants, we gathered detailed insights regarding their occupations, which were as follows:



Diploma Students



Degree Students



Masters Students



Graduate



Professionals

We commenced the bootcamp on May 4, 2024, with an orientation session where candidates were introduced to the organizers and provided with a roadmap of the bootcamp. The mode of teaching that was being utilized was online where recorded sessions from the mentors was being shared on our YouTube channel.

On May 6, we began offering a crash course designed to explain basic concepts of cybersecurity, how to create virtual labs, and discuss careers in cybersecurity. This crash course was essential as the majority of participants were new to the industry.

SUBJECTS

SUBJECTS

OSINT

**OSINT
GRC**

OSINT
GRC

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Introduction
Points to
Teste

Windovits Research

Vulnerability Research

Vulnerability Research

Venerenity
Research

SUBJECTS

Windows to Penetration Testing

CTC

CTF

SUBJECTS

Introduction to Windows Pensuption Testing Tools

Vondow Research

CRC

CTC

TOPICS COVERED

Participants engaged in a comprehensive curriculum encompassing six key topics and one crash course, meticulously designed to provide a thorough understanding of the cybersecurity industry. The topics covered include:



Governance Risk and Compliance (GRC)



Vulnerability Research



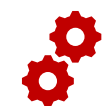
Open Source Intelligence (OSINT)



Introduction to windows penetration testing



Introduction to Capture The Flag (CTF)



Introduction to penetration testing tools

Participants were also assigned labs and assignments to gain hands-on experience and practical knowledge of various concepts.



labs



assignments

LABS & ASSIGNMENTS

The purpose of our bootcamp is to ensure that participants graduate not only with certificates of participation but also with substantial knowledge and hands-on experience. For this cohort, we introduced assignments and labs designed to help candidates understand various concepts and gain practical experience. Below are sample labs and assignment questions provided on our platform for candidates to practice:

OSINT Labs

Google is your friend 5	How can i be of service 5
I am the content manager 5	The internet protocol man 5

Introduction to penetration testing tools Labs

Scanner 5	Enabler 5
Briefings 5	Unknown user 5

OSINT

Who am i 5	Not me 5
Dilemmas 5	Information 10

Governance Risk and Compliance (GRC)

Components 5	Implementation 5
GRC Frame work 10	Risks 10

Introduction to Penetration Testing Tools

Attacks 5	Tool 5
Risk II 5	Detection 10

Cyber Crash Course - Useful Links

Understanding Cybersecurity 0	Setting up your virtual labs 0	Introduction to Ethical Hacking 0
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CAPTURE THE FLAG

Rank	Team	Score	Time	Flags	Points	Penalty	Notes
1	Team Alpha	100	0:15	5	100	0	
2	Team Beta	80	0:20	4	80	0	
3	Team Gamma	60	0:25	3	60	0	
4	Team Delta	40	0:30	2	40	0	
5	Team Epsilon	20	0:35	1	20	0	
6	Team Zeta	0	0:40	0	0	0	
7	Team Eta	0	0:45	0	0	0	
8	Team Theta	0	0:50	0	0	0	
9	Team Iota	0	0:55	0	0	0	
10	Team Kappa	0	1:00	0	0	0	
11	Team Lambda	0	1:05	0	0	0	
12	Team Mu	0	1:10	0	0	0	
13	Team Nu	0	1:15	0	0	0	
14	Team Xi	0	1:20	0	0	0	
15	Team Omicron	0	1:25	0	0	0	
16	Team Pi	0	1:30	0	0	0	
17	Team Rho	0	1:35	0	0	0	
18	Team Sigma	0	1:40	0	0	0	
19	Team Tau	0	1:45	0	0	0	
20	Team Upsilon	0	1:50	0	0	0	

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CAPTURE THE FLAG WINNERS

The candidates later had the opportunity to apply their knowledge in a competitive Capture the Flag (CTF) event. The challenges were organized into different categories based on the topics covered during the bootcamp. Most candidates successfully solved the majority of the challenges, demonstrating a clear understanding of the topics covered throughout the course. At the end of the competition, we identified the top three winners, as shown below:



Rank

Name

Points



Joram Malley

6272



Erica Mukama

6272



Paschal Sangawe

6272

TOP PERFORMERS

Once the CTF competition concluded, we selected eight candidates to advance to the next round, which focused on report writing and presentation. To determine which candidates deserved to progress, we considered their marks from labs and assignments, attendance, and performance in the CTF. After a thorough evaluation, we identified the top performers who moved on to the next round.





SELECT JUDGES

Before proceeding to the next round, we enlisted four cybersecurity experts who volunteered to serve as judges. These seasoned professionals, each with over half a decade of industry experience, were responsible for evaluating the candidates' reports and presentations and assigning marks accordingly. Their expertise brought invaluable insights to the judging process.



TECHNICAL REPORTS

We commenced the next round with a report writing phase, where candidates authored technical reports detailing how they solved their challenges. All reports were submitted before the due dates. Subsequently, our judges reviewed the reports and provided constructive feedback.

My Drive > H4K-IT Bootcamp Coh... > CTF Report writing ▾ 👤



Type ▾ People ▾ Modified ▾

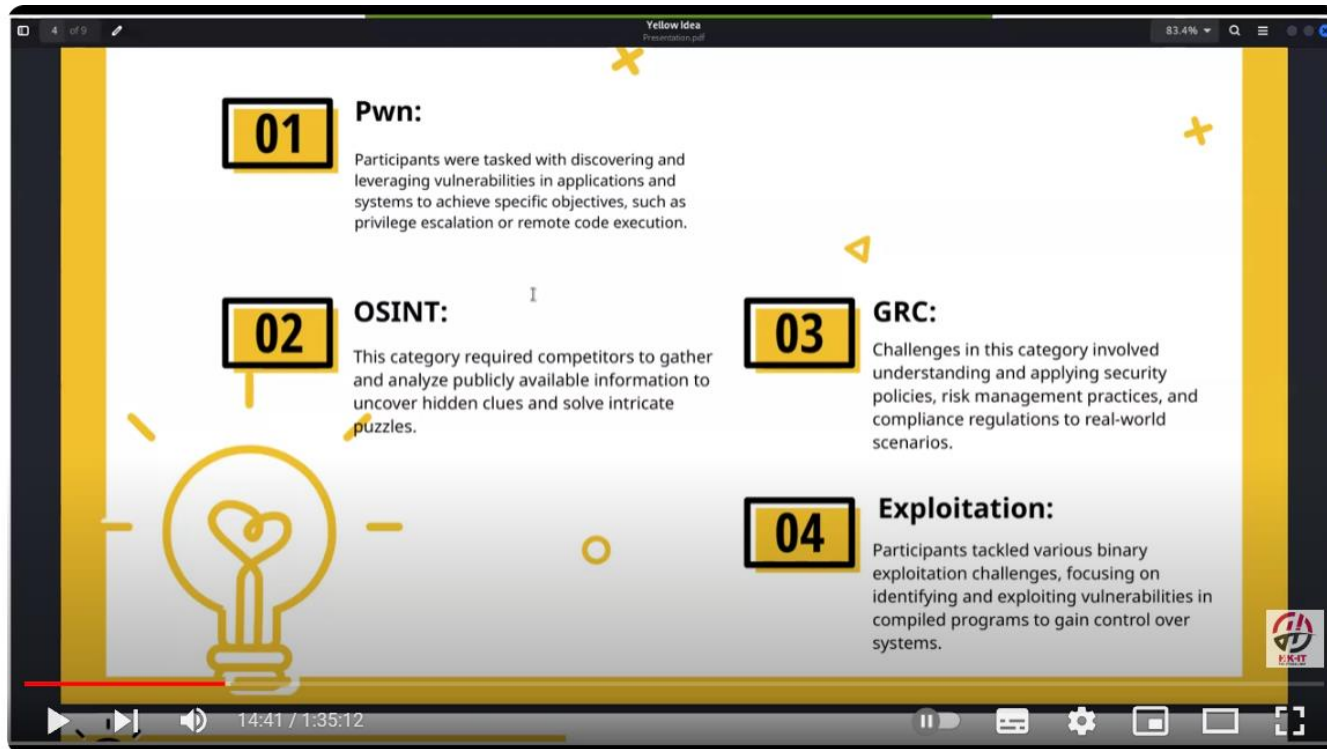
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↑ Name ▾ ⋮

 Chukwuka Gideon ⋮	 Erica Mukama ⋮	 Feedback from j... ⋮	 Joram Zacharia ⋮	 Mjuni Bashange ⋮
 Myovela Catheri... ⋮	 Paschal Sangawe ⋮	 Priscilla Lupenza ⋮	 Sherry Obare ⋮	

PRESENTATIONS

July 27, 2024, marked the big day for our top performers, as they presented their findings based on their reports. The goal was to simulate a real-world scenario where participants, following an engagement with a client, would present their findings to top management. This exercise aimed to equip participants with the dual skills of technical report writing and effectively communicating feedback to top management in a clear, non-technical manner.



Link to the presentation video:

<https://youtu.be/onDH039iW1A?si=rfqlRgCzPV9-0qFI>

JUDGE'S FEEDBACK

After the presentations were completed, the judges provided feedback on both the reports and presentations. They then proceeded to evaluate and assign marks to each candidate.

H4K-IT BOOTCAMP TECHNICAL REPORT FEEDBACK

Judge 2	Remarks	Points
Paschal Sangawe	- Give a brief introduction/description of the work, scope. - Technical evidence of the work done & knowledge tools - Great report, needs some guidance to perfect the work	1.9
Joram Zacharia	- Missing Introduction - Good explanations, language and flow - Evidence is well presented, impact well shown.	2.1
Chukwuka Gideon	- Great Report, Language and flow - Technical evidence is well explained - Impressive and well-thought-out approach - Great Report	2.3
Mjuni Bashange	- Great introduction and flow - Evidence is well presented and supports the explanations - Demonstrates solid understanding of the covered areas. - Acknowledgement of difficulty adds transparency and credibility to the writeup	2.1
Erica Mukama	- Meets basic expectations - Evidence supports the explanations - Provides adequate but not exceptional details - Good work	2
Sherry Obare	- The report is clear, structure is good as well - Evidence is well presented and supports the description - the approach to the report is satisfactory	2
Priscilla Lupenza	- Few errors in language, the flow could be improved - Great work, check on the formatting as well - with some guidance can deliver exceptional work	1.9
Myovela Catherine	- The introduction and flow is satisfactory - the approach demonstrates clear understanding of the challenges - The evidence is well presented and supports the description with steps	2.1

H4K-IT BOOTCAMP PRESENTATION FEEDBACK

Judge 1	Remarks	Points
Paschal Sangawe		2
Joram Zacharia	- Good presentation - Are the learning outcomes personal or at a general level? - Time well managed	2
Chukwuka Gideon	Good presentation.	2.2
Mjuni Bashange	A PPT would have been better	2.1
Erica Mukama	- A bit technical not so interactive - Great to include recommendations	1.9
Sherry Obare	- Interactive presentation. - Great feedback on the CTF - Good time management	2
Priscilla Lupenza	- Not so interactive, a bit technical - No introduction. - Felt a bit lost	1.9
Myovela Catherine	Didn't presented	0

RESULTS

The marks provided by the judges were compiled and tallied by our team to determine the ranking of each top performer, as shown below.

H4K-IT BOOTCAMP OVERALL RESULTS

Position	Name	Technical Report	Presentation	Total Marks /20
1	Chukwuka Gideon	8.8	8.5	17.3
2	Mjuni Bashange	8.7	8	16.7
3	Joram Zacharia	8	8.1	16.1
4	Sherry Obare	8	8	16
5	Erica Mukama	8.2	7.7	15.9
6	Paschal Sangawe	7.6	7.8	15.4
7	Priscilla Lupenza	7.3	7.6	14.9
8	Myovela Catherine	8.3	0	8.3

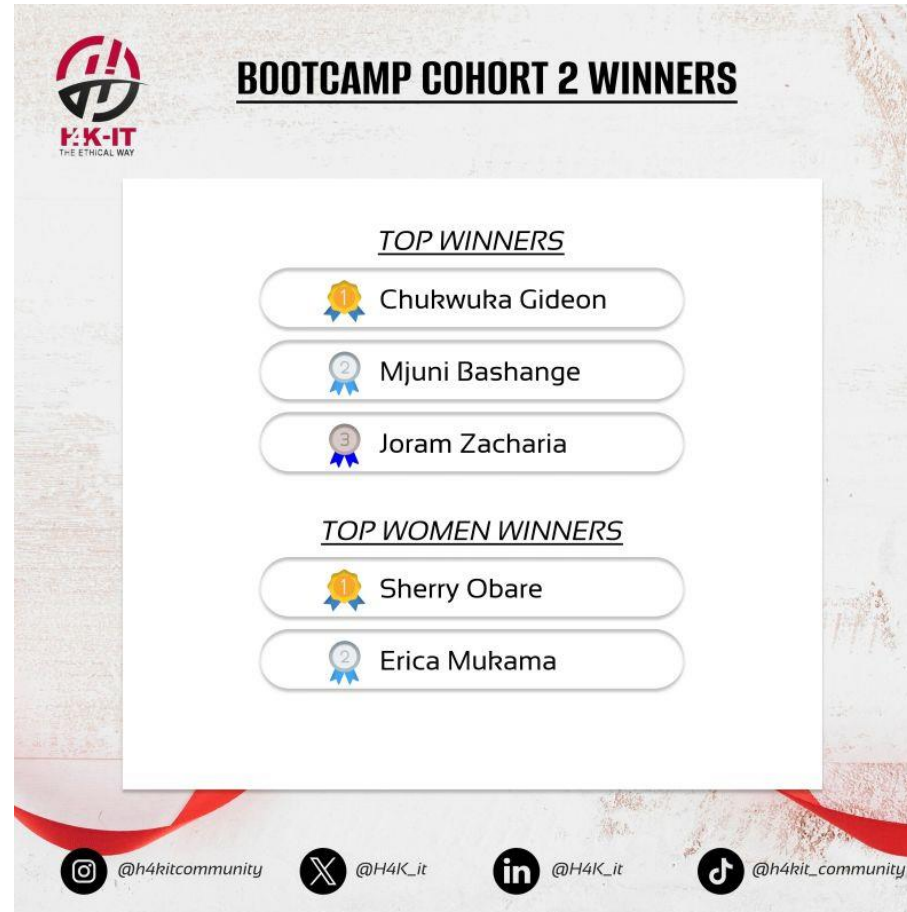


WINNERS

OF THE COMPETITION

BOOTCAMP COHORT 2 WINNERS

From the tallied results, we identified the overall top winners for the bootcamp cohort 2. These individuals excelled through hard work and dedication. The winners were announced on our social media platforms to enhance their visibility to possible recruiters and talent seekers. Overall the bootcamp was a success.



BOOTCAMP COHORT 2 WINNERS

Our Top Winners



Gideon Chukwuka



Edwin Mjuni



Joram Zacharia

Our Top Women Winners



Sherry Obare



Erica Mukama

COHORT 2 WINNERS AWARD

The winners were awarded a comprehensive bundle of courses from EC-Council. In total, there were 12 courses available. Each winner received 2 courses, while those who secured first place in the two categories were awarded 3 courses each.



 **Bundle**

Top 10 Cybersecurity Skills for 2024

Invest in yourself now and make 2024 your year for growth and success! Get the chance to master the top 10 high-value cybersecurity...

 12 Premium Courses

 64 hrs 21 mins

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H4K-IT BOOTCAMP COHORT 2

At the end of the bootcamp we managed to get feedback from the participants

