



## From Fundamentals to Cyber Challenges



During Week 2 of the Cybersecurity Youth Camp 2026, participants progressed from the foundational concepts introduced in the first week to more advanced topics combining technical knowledge with practical application. Through specialized sessions, hands-on exercises, simulations, and competitive challenges, they tested their skills in scenarios inspired by real-world cybersecurity situations. The field visit and enrichment sessions also broadened their knowledge and strengthened their awareness of the safe and responsible use of technology.

## Inside the Network: From Data Analysis to Cyber Defence

Participants explored how networks operate, learning about MAC and IP addresses, ports, and common protocols such as HTTP, HTTPS, SSH, and FTP. They used Nmap to scan networks and identify connected devices and services, then analysed network traffic with Wireshark to understand how data travels and distinguish between secure and unsecured communications.

They also learned about malware, DoS and DDoS attacks, social engineering, and phishing, including how to identify suspicious messages and protect personal accounts. Through a Security Operations Centre (SOC) simulation, participants monitored alerts, analysed logs using SIEM, investigated suspicious activities, and responded to cyber incidents. The week concluded with an introduction to SQL injection, followed by a final Capture the Flag (CTF) challenge that put their newly acquired skills into practice.



## Field Visit

Participants visited Ooredoo, where they explored the professional work environment and learned about key technologies used in telecommunications. The visit helped connect classroom knowledge with practical applications and introduced them to potential career paths.

## Enrichment Session

Mr. Abdulrahman Al-Harami delivered an awareness session on the safe and responsible use of technology and social media. He also highlighted the importance of positive values and responsible behaviour in digital environments.



## Voice From The Camp



This was my first time participating in the camp, following a recommendation from my relatives. I gained valuable knowledge and skills throughout the programme, and the experience was both enriching and memorable.

— Fahad Hamad AL-Marri