# **Nullcon Goa 2022 Hardware CTF v4**

Philippe Teuwen

@doegox

Hariprasad K V

Kartheek Lade

@0xh3nry

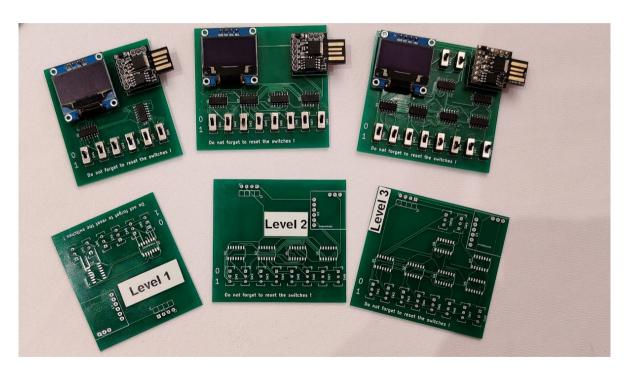
Appar Thusoo

@shongpan\_

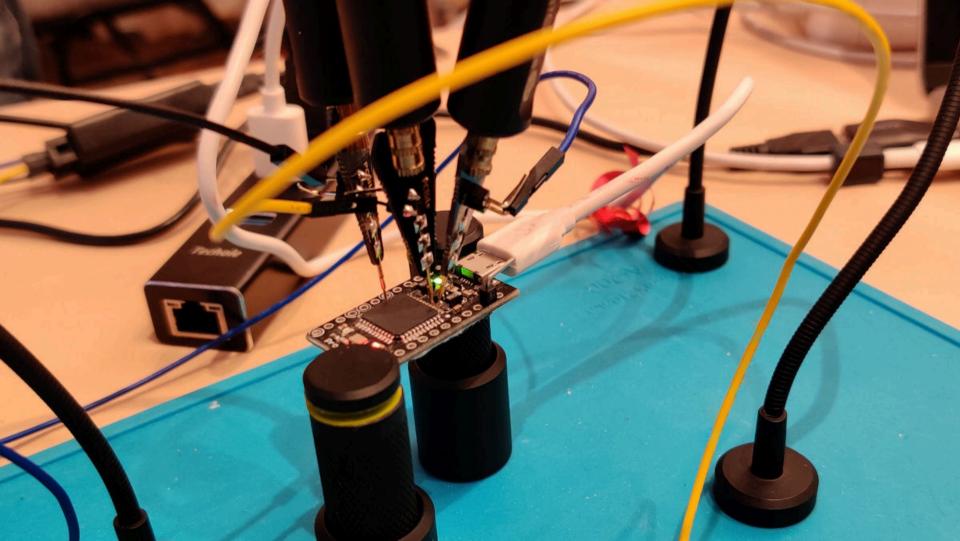


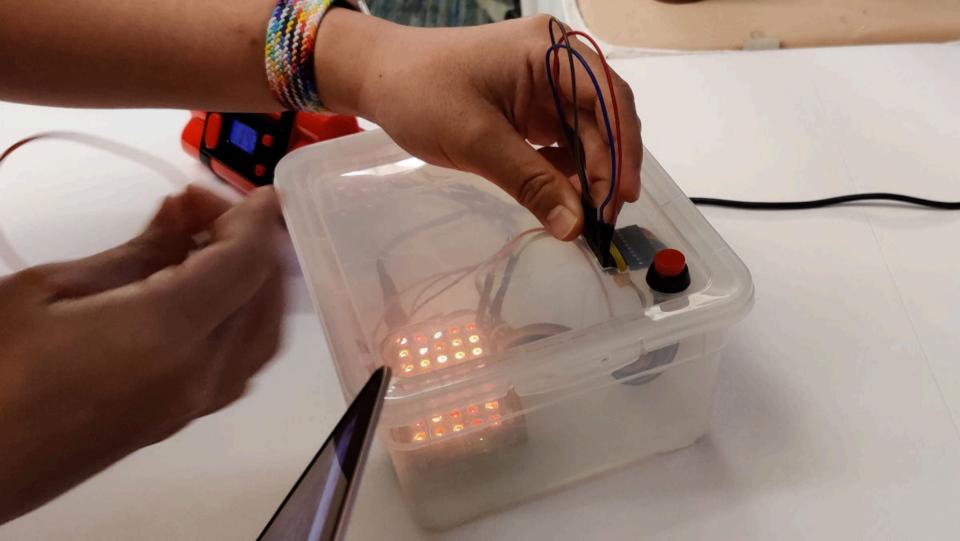
#### **CHALLENGES**







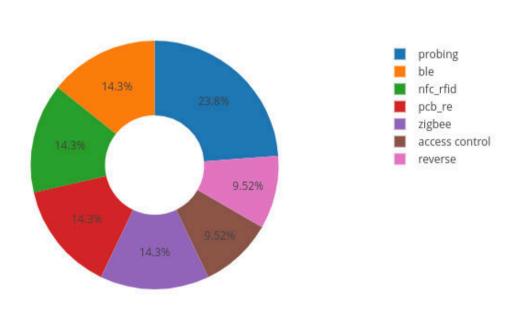




#### **CHALLENGES**



#### Category Breakdown



## Make people learn useful skills

## Make people have fun



#### MANY THANKS TO PAYATU IOT BANDITS





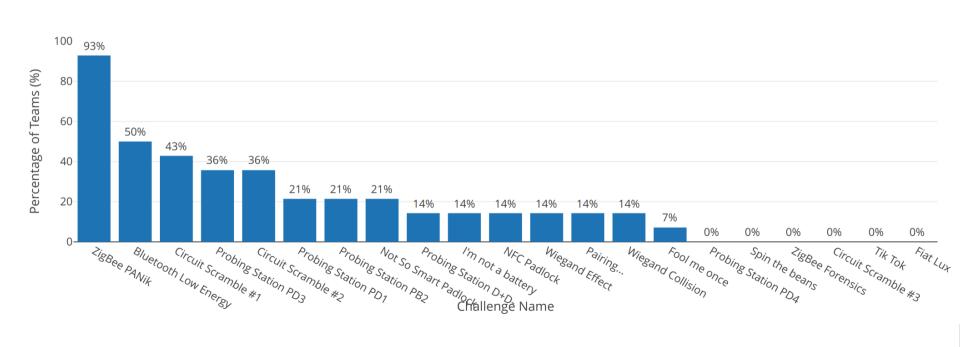




#### **CTF STATS**



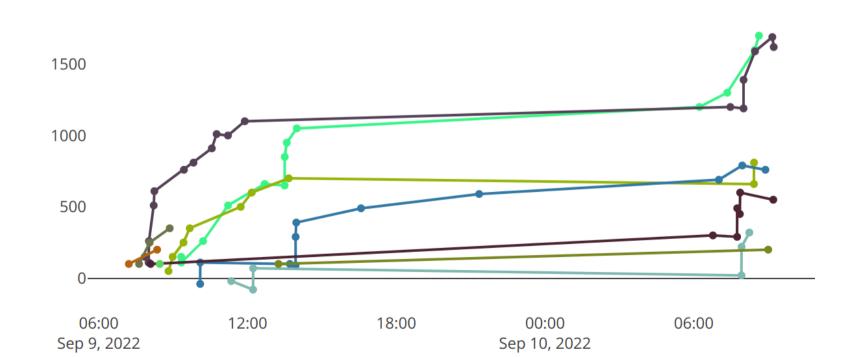
#### Solve Percentages per Challenge







Top 10 Teams



#### PRIZES BY CARRIER



Winner	<ul> <li>ChipWhisperer-Lite</li> <li>Ledger Wallet</li> <li>Soldering iron TS80P</li> <li>Electric Screwdriver Wowstick 1F+</li> </ul>
Second place	<ul> <li>Proxmark3 RDV4</li> <li>Ledger Wallet</li> <li>Soldering iron TS80P</li> <li>Electric Screwdriver Wowstick 1F+</li> </ul>
Third place	Proxmark3 RDV4

#### THIRD PLACE



#### **SECOND PLACE**



bi0s Hardware

1620

810

Amynasec - Delta

#### FIRST PLACE



810

1	UEFI (dyteSec)	1700
2	bi0s Hardware	1620
2	bi0s Hardware	1620

Amynasec - Delta

## Thank you