

Polytechnic University of Puerto Rico
NCAE Integrated Faculty Workshops:
Dr. Alfredo Cruz

This presentation was given at the 2023
National Cybersecurity Education Colloquium





Introduction

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- Polytechnic University of Puerto Rico (PUPR) - mainly an Engineering School accredited by ABET, Middle States, and the designation from NCAE-CD since 2009.
- Sponsored by NCAE, PUPR hosted a 3-day intermediate workshop in an integrated environment of teacher and faculty. Helping in this way to develop cybersecurity educators that can build strong educational programs and collaborations between faculty and teachers.
- A total of 42 teachers and faculty from MSIs attended this activity, exceeding the 40 initially proposed.



Topics Covered in the Workshop

- The topics covered by our lecturers in the first two days were: Social Engineering, RINC, IoT Security and Privacy, Cyberthreats to K-12 Remote Education, Cryptography, and Ethical Hacking. The materials of the Workshop were delivered by highly qualified resources.
- On the third day, the educators presented a Lesson Plan. The topics presented were (among others): Cybersecurity in Education, Social Engineering, Cyber-risk Management at Schools, Secure Use of Techniques for Children, You Have Been Hacked.
- The Workshop disseminated knowledge and understanding in cybersecurity through the domino effect of training the trainer.
- The educational material and lesson plans will be submitted to the CARD and/or CLARK platforms.

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Statistics

- In Figure 1 we can observe that **87.80%** of the participants were extremely pleased with the event organization
- In Figure 2 we can observe that **90.20%** of the participants were extremely pleased with the topics and lectures that were presented at the workshop.
- **64%** of the participants were female.
- **64%** of the participants were HS educators vs. **36%** College/University faculty.
- **87.80%** of the participants were extremely pleased with the Lesson Plans presented on the last day.

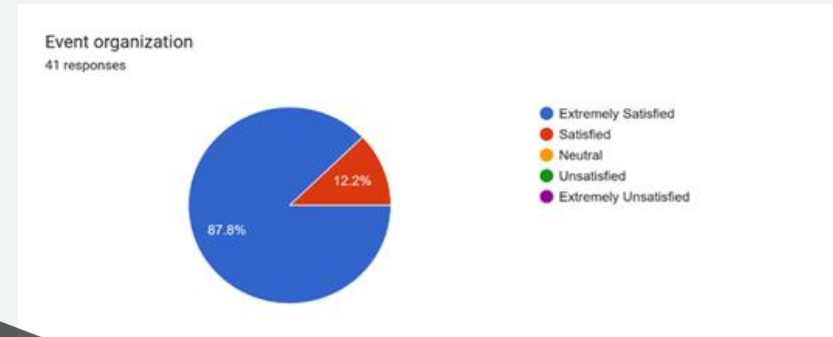


Figure 1. Event Organization Satisfaction



Figure 2. Participant Satisfaction on the Topics and Lectures Presented

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Polytechnic University of Puerto Rico

iThank You!

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