

Appendix B: Consent Form

I am an Associate Professor with the Department of Criminal Justice at Temple University, and I am conducting surveys for my research titled 'SaTC: EDU: Educating STEM Students and Teachers about the Relevance of Social Engineering in Cyberattacks and Cybersecurity'. This research seeks to achieve the following research objectives: (1) To understand students' education and relevant cybersecurity experience, (2) To understand how students prepare for cybersecurity events, (3) To understand how students work in groups to participate in cybersecurity events, and (4) To understand whether these competitions and training events impact students' knowledge and experiences about cybersecurity and the relevance of the human factor, and (5) To understand whether educator workshops are helpful in developing an understanding of SE and also in implementing SE course projects at their respective institutions.

What the competition is about

The SE Pen Test competition allows students to learn about the relevance of social engineering in cybersecurity. The competition will test students on their ability to conduct a penetration test of a simulated lab using three methods: OSINT (open source intelligence), vishing, and phishing the competition organizers in a safe and ethical manner. Additionally, students will develop their report writing skills by writing up a pen test report about their findings and security recommendations.

Your role and responsibilities:

During this study, you will be asked to complete a pre-event survey that asks you about your background, experience, and skill level as it pertains to social engineering and real-time cybersecurity exercises. This survey will take approximately 15 minutes to complete.

You will then engage in the SE pen test event, which will run approximately an hour.

After the SE pen test event, you will be asked to complete a post-event survey that asks you about the strategies used, divisions of labor, and your overall perceptions of the event. This survey will take approximately 15 minutes to complete.

The pre and post surveys are anonymous. Anonymous means that I will record no information about you that could identify you. This means that I will not record your name, address, phone number, date of birth, etc. There will be no way to link your responses back to you. Therefore, data collection is anonymous. However, during your participation in the actual SE pen test event, your name, social media identification, likeness and/or voice on video, audio, photographic, digital, electronic or any other medium now existing or later invented may be recorded and used for event promotion and dissemination via conferences, publications, and podcasts.

To the extent allowed by law, we limit the viewing of your personal information to people who have to review it. We cannot promise complete secrecy. The IRB, Temple University and its affiliates, and other representatives of these organizations may inspect and copy your information. Upon completion of this project, all data will be kept for three years, after which they will be erased. If a report of this study is published, or the results are presented at a professional conference, only group results will be stated.

The survey questions pertain to your perceptions and NOT actual cybercrime incidents. This research is a minimal risk study; there is a risk of loss of confidentiality. You will not receive any direct benefit for participating in this research. The research will provide a more plausible understanding of cybersecurity education. However, winning teams will be awarded prizes in the amounts: 1st place: \$300, 2nd place: \$200, 3rd place: \$100.

Who can I talk to about this research?

If you have any questions, concerns, or complaints, or think that the research has hurt you, contact the researcher at:

Dr. Aunshul Rege
(215) 204-1671 (office) / rege@temple.edu
Department of Criminal Justice,
Gladfelter Hall, 5th Floor,
Temple University, 1115 Polett Walk, Philadelphia, PA 19122

This research has been reviewed and approved by an Institutional Review Board. You may talk to them at (215) 707-3390 or e-mail them at: irb@temple.edu for any of the following:

- Your questions, concerns, or complaints are not being answered by the research team.
- You cannot reach the research team.
- You want to talk to someone besides the research team.
- You have questions about your rights as a research subject.
- You want to get information or provide input about this research.

You will be offered a copy of this information sheet that you may keep for your own reference.

Are there any questions about what I have just explained?

Are you willing to participate in this study?

Signature Block for Minor and Parent/Guardian

Your signature documents your permission to take part in this competition and research.

I agree to the named child taking part in the competition and research study, and I have been informed as to what the competition involves from its organizer. I agree to the named child's participation in any or all of the activities arranged by the team and competition.

I understand that if my child's behavior is unreasonable then he/she may be removed from the team.

Name of Minor

Signature of Minor

Date

Name of Parent/Guardian

Signature of Parent/Guardian

Date