Poster Project

DeliverableChoices
1. Create a poster that illustrating how the implementation of a particular cryptographic security service can improve an enterprise's security posture. For example, you may choose to illustrate laptop security, portable device confidentiality, or secure wireless networking. Tools you may utilize include TrueCrypt, PGP, OpenVPN and similar free or open source tools.
2. From the Course Crypto Basics Figure, choose a content area and create an expository poster that demonstrates and illustrates that topic. Example areas include background, basics, building blocks, secure architecture, public key infrastructure, secure protocols and VPNs.

Deliverable Attributes
1. Only posters in PDF or PPT formats will be accepted. Selected students may be requested to make a physical copy of their poster. The college has resources to print the selected posters.
2. You must present your poster, in electronic format, to class. The presentation should be more than five and less than twelve minutes. Most students will find that a six to twelve slide PowerPoint supporting presentation will work best. Presenters that use less time as well as those that use more may lose points.

Poster Sections
Abstract (Problem Statement)
- In this section, you present a short, one to three sentence, statement that briefly and completely describes the problem/solution upon which your poster is focused.

Relevance/Importance
- In this section, you present selections from current publications that document the importance of your chosen issue. This may consist of article headlines, screen shots, or other evidence that documents that the security profession shares your feelings concerning the worthiness of your chosen issue.

Literature survey
- It is expected that your proposed solution will be supported by mainstream research and publications. In this section, you will present a brief survey of that research and those publications as well as other relevant supporting evidence.

Solution
- For most posters, the solution will be the implementation of a program or a process. In this section, you will present screen shots or other evidence that demonstrates that you can implement the solution. Note that any software that you employ should be free or open source. (The operative principle here is that what ever that you present needs to be reproducible.)

Summary
- Here you briefly reinforce the important points of your project.

References
- A key attribute of your work is that it is demonstrate able and verifiable. Here you provide links, preferably to online sources, that verify the relevance and the importance of your project. (Please note that while you can use Wikipedia as a meta source it is not an acceptable primary source or reference.)

During your in class presentation, you should briefly but clearly explain each section's main points. Evaluation criteria include:

Design/Communications Criteria
- Poster communicates clearly and concisely.
- Minimum body text size: 20-24 point.
- Graphic elements used effectively
  - All images and tables numbered.
- Viewer guided to poster's most significant points.
- While you will present an electronic version of your poster, you may also be requested to turn in a physical version. Physical posters are considered stand alone entities. Dimension wise, your poster should not be larger than 40 inches by 54 inches. Electronic format must be PDF or PPT.

Poster Header Criteria
- An effective title that:
  1) Specifically identifies poster's topic.
  2) Is clear and brief.
- Header clearly displays poster title and authors' name
  - Poster title: prominent and easily readable.
  - Author's names: less prominent than title but easily readable.
  - Optional class or section titles: easily distinguished from the text but not nearly as prominent as the title.

Abstract Criteria
- Problem clearly and concisely stated.
- Includes only essential information.
- May allude to proposed solution.

Relevance and Importance Criteria
- Reference to current news or research literature demonstrating problem's relevance and importance.
- All presented information is relevant.
- Problem worthiness clearly demonstrated.
- Sufficient information included.

Literature Survey Criteria

- Succinctly presents supporting literature that demonstrates linkages between chosen problem/solution pair and mainstream security philosophy.
- Introduces form of your solution e.g. Live CDs and/or other Free and Open System Software (FOSS).
- References to selected documents such as outside class readings.

Solution Criteria
- Specific tool(s) that facilitate solution are presented.
- Images of selected tool(s) or Live CDs in use are presented.
- Solution clearly interpreted and explained.

Summary Criteria
- Restates problem and reinforces solution
- Selected solution congruent with problem statement (abstract).
- Presents a concise summary that includes threats that your solution mitigates
- Brief.

References Criteria
- Include references cited in poster. These references should include any NIST publications that you reference as well as sources of any articles or web sites referenced in the poster.

Selected Online References
Each of the listed web sites contains information concerning the design and production of posters. Likely, you will find them useful.

Design of Scientific Posters
http://www.writing.engr.psu.edu/posters.html

Designing Scientific and Engineering Posters, Rice
http://www.owlnet.rice.edu/~cainproj/ih_posters.html

Poster Templates, TTU
http://www.tltc.ttu.edu/content/asp/services/poster_printing.asp

Poster Examples
In response to requests for previous posters.

http://itec6322jie.googlepages.com/posterpresentation

https://sites.google.com/site/itec5321infosec/

http://home.comcast.net/~bcompton3/index.html

http://wrathofachilles5.freehostia.com/