Guidelines for IT Project Idea Presentation

Length of the presentation: about 5 minutes

1. Can be individual project or group project. Each group can have at most 3 students.
2. Content of the presentation (80 points)
   * Summary of IT project idea (what you want to do for your project) and your motivation (why you want to work on this project) (10 points)
   * Major functions of your project (20 points)
   * Technology considerations (30 points)

* Required IT skills/knowledge
* Required software/hardware resources
* Security considerations (10 points)
* Potential security vulnerability of your systems and how to alleviate those vulnerabilities
* Typical security attacks targeted at your system and how to protect your system against those attacks
* Expected lessons learned (10 points)

1. Presentation skills (20 points)

* Presentation is well prepared and rehearsed
* Presenters demonstrate full knowledge of the content of slides
* Presenters hold attention of entire audience with the use of direct eye contact, seldom looking at notes
* Presenters speak with appropriate volume and fluctuation to maintain audience interest

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Project topic examples:

1. Security web site/mobile app
   1. Web site providing security functions such as encryption/decryption, password managing, security tools, secure online file management, honeypot, secure online surveillance, etc.
   2. Web site selling security products/offering security services (must have font-end and back-end)
2. Security software/tools
3. Security system setup
   1. Secure cloud based storage/NAS
   2. Secure camera/monitoring system
4. DO NOT make video/audio/drawing/film/game