ECE Capstone program  
Spring 2017  
Summary Project info

Please provide the following information to be shared with on capstone information exchange platform:

1. **Project number**: S17-47

2. **Project title (as will appear on the poster)**: Ex-Pi

3. **Team members**:
   - Dmitriy Kozorezov
   - Syed Naqvi
   - William Evans
   - John O’Leary

4. **Adviser(s) name(s)**: Dr. Maria Striki

5. **Up to 10 keywords that will help to classify the project**:
   - Network
   - Security
   - Commercial
   - Intuitive
   - Cryptography
   - Wifi

6. **Project abstract (up to 200 words) to be shared with judges**:

   Using a small computer enclosed in an inconspicuous design, we intend to test different networks and their defenses using various penetration tools. Using deauthentication, connection tools, and packet inspection we intend to create a product which will test certain networks of their security and displays results directly to the user. The design will be inconspicuous enough to be able to be left in crowded places and not be differentiated from other devices which are common in daily life. With a discrete design, the device will be made for the use of any individual with the goal of testing the security of their own home or business.