Survey questions on the IoT application layer and protocols (Middleware layer)

1. Have you installed anti virous on your devices?[1]
2. Do you know how to prevent phishing emails from reaching to user?[1]
3. Are you aware of social engineering attack?[2]
4. Are you using any applications that are using insecure protocols?[2]
5. Are you update your software applications regularly?[3]
6. Are you using two factor authentications offered by some applications?[3]
7. Are you using public Wi-Fi on your smart phone?[6]
8. Are you using VPN while connecting to public Wi-Fi?[6]
9. Have you set different password for different applications or accounts?
10. Are you aware of SMS phishing?
11. Do you look at the lock symbol when web surfing on your browser?
12. When you are filling sensitive data on a website are aware of http/https?
13. are you using certificate-based digital signatures to apply for the updates on software and firmware?[5]

middleware layers:

1. What type of encryption method used on Wi-Fi?[3]
2. Do you turn off device’s Bluetooth while they are not in use? [4]
3. Have you changed the fixed PIN on the Bluetooth devices? [4]
4. Are you aware of rough access point?[6]

References:

1. <https://www.phishprotection.com/content/phishing-prevention/>
2. <https://ieeexplore.ieee.org/abstract/document/7818534>
3. <https://us.norton.com/internetsecurity-iot-smart-home-security-core.html>
4. <https://ieeexplore.ieee.org/abstract/document/1258472>
5. <https://www.mdpi.com/2078-2489/7/3/44/htm>
6. <https://www.phishprotection.com/content/phishing-prevention/>
7. <https://www.juniper.net/documentation/en_US/junos-space-apps/network-director3.1/topics/concept/wireless-rogue-ap.html>