

Mobile Security Threats and Their Prevention Strategies

Mobile Device Security Threats	Prevention Strategies
Malware that can steal confidential data and collect user data	<ul style="list-style-type: none">❖ <i>Install the organization prescribed mobile device management solution (MDM) to secure information on the phone.</i>❖ <i>Install anti-malware for widely used mobile device operating systems such as iOS, Android, Windows Mobile and Blackberry, to prevent infection.</i>
Ransomware that encrypt data on mobile devices and force users to transfer money to a hacker in order to decrypt/recover the data	<ul style="list-style-type: none">❖ <i>Regularly take back up your data.</i>❖ <i>Keep your software updated.</i>❖ <i>Avoid downloading and using cracked or pirated software from third party app stores or unknown sources.</i>❖ <i>Use a robust mobile security software.</i>
Easy unauthorised access	<ul style="list-style-type: none">❖ <i>Avoid sharing mobile devices with others</i>❖ <i>Avoid using unsecured Wi-Fi connections.</i>❖ <i>Keep your Bluetooth connection switched off when not in use.</i>❖ <i>Avoid transfer of data to and from unsecured devices.</i>❖ <i>Install password locking, authentication and application locking applications.</i>❖ <i>Use remote wipe to remotely delete data from stolen mobile devices.</i>❖ <i>Use "phone home" or "find me" services to locate stolen devices</i>❖ <i>Use devices with advanced security features such as fingerprint and iris scanners</i>❖ <i>Manage app permissions to ensure that malicious applications do not have access to personal and confidential data stored on your mobile</i>❖ <i>Use company prescribed mobile device management solution</i>❖ <i>Be on lookout for shoulder-surfing people</i>❖ <i>Change unlock patterns and passwords regularly</i>
Theft of mobile devices	<ul style="list-style-type: none">❖ <i>Avoid using mobile phones in busy and crowded areas where they can be snatched easily.</i>❖ <i>Keep your phone in the inner pockets of your jacket or coat, or inner compartments of your bags and backpacks, especially in crowded or busy areas.</i>❖ <i>In case you are keeping your mobiles in bags and backpacks, then ensure that they are locked.</i>