Conduct a personal risk assessment of your current technological/information assets. For this exercise, list at least 3 different personal assets you own (this could be a laptop, tablet, smartphone, data, etc.). Also, provide an approximate value of those assets.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ASSET | ASSET VALUE | EXPOSURE FACTOR | SLE  =(Asset value\*Exposure factor) | ARO | ALE  =SLE\*ARO |
| Driver Data(google Drive) | 60 | 50% | 30 | 10% | 3$ |
| Hard Disk | 70 | 30% | 21 | 10% | 2.1$ |
| Tablet | 600 | 90% | 540 | 10% | 54$ |

**Risk Determination:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ASSET | ASSET VALUE | LIKELY HOOD | UNCERTAINTY | CURRENT CONTROLS | RISK  =(LIKELIHOOD\* ASSET VALUE)  -(ASSET VALUE\*CURRENT CONTROL)  +UNCERTAINLY |
| Driver Data(google Drive) | 60 | 0.5 | 20% | 0.5 | (60\*0.5)-(30\*0.5)+(30\*20%)  =21 |
| Hard Disk | 70 | 0.1 | 20% | 0.1 | (70\*.1)-(7\*.1)+(7\*20%)=7.7 |
| Tablet | 600 | 0.2 | 40% | 0.2 | (600\*0.2)-(120\*.2)+(120\*40%)  =144 |

The next step would be to consider some of the threats mentioned in class and how that might impact the assets you have listed (would it cost you the total value of the asset if the threat were to occur?).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ASSET | THREATS | IMPACT | Probability of occurrence | Cost if occurred |
| Driver Data(Google Drive) | Gmail/Email Hacked | High | High | 100% |
| Technical Failure(Server Down) | Low | Low | 10% |
| Hard Disk | Lost/Stollen | High | Low | 100% |
| Technical Problem(connectivity to laptop) | Low | Medium | 10% |
| Natural Disaster | High | Low | 100% |
| Tablet | Software failure | Medium | Medium | 60% |
| Hardware Failure | Low | Low | 10% |
| Theft | High | Low | 90% |

The last step would be to look at controls (whether they are in place or are needed). How much doesthis cost? Are they worth having in place?

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ASSET | THREATS | IMPACT | | Cost if occurred(Original Price) | Current controls | Cost of the controls | Worth of having control |
| Driver DataGoogle Drive) | Gmail/Email Hacked | | High | 100% | MFA/Strong password authentication | NIL | YES |
| Technical Failure(Server Down) | | Low | 10% | Back up in another physical Drive | 70$ | NO(greater than Asset Value) |
| Hard Disk | Lost/Stolen | | High | 100% | Insurance | 10$ | Yes |
| Technical Problem(connectivity to laptop) | | Low | 10% | Buy the spare parts and fix it | 20$ | Yes |
| Natural Disaster | | High | 100% | Protection Cover | 15$ | Yes |
| Tablet | Software failure due | | Medium | 60% | Version Back up | NIL | Yes |
| Hardware Failure | | Low | 10% | Insurance | 12$ | Yes |
| Theft | | High | 90% | Device lockup controls | 15$ | Yes |