**Collage Name- Lamrin Tech Skills University Punjab**

**Branch Name- Btech (Electrical Engineering)**

**Course Name- Critical Thinking & Design Thinking**

**Batch Number- 2024**

**Presented By- Arun Thakur**

**Roll Number- 24100130008**

**Task No #02- Complex Problem Table**

**Title: Minimum three applications of complex nature using different literatures**

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| S.NO. | Application Domain | Complex Problem Identified | Justification |
| 1. | Laptop Products | If parts of laptop are damaged, the parts are not available here. They should be transported from different countries and charges are very high instead we can buy a new laptop. | We need to increase the manufacturing companies which can make spare parts of laptop in our country. By this even our country gets lot more benefits like the unemployed people gets employed. |
| 2. | Cyber security | Advanced persistent threats (APTs) | APTs are highly sophisticated attacks carried out by organised groups that often go undetected for extended periods. They involve multiple attacks vectors, such as phishing, malware and social engineering, making them difficult to defend against. |
| 3. | Artificial Intelligence | Developing AI that can reason and make decisions in complex, real-world scenarios. | This requires addressing challenges like knowledge representation, reasoning under uncertainly and learning from experience. It also involves developing algorithms that can handle complex, unstructured data and make robust decisions in dynamic environment. |

* **Complex Problem Table:**