**Research Proposal Presentation Outline**

**Project Title**:

* + Design and implement a Data Loss Preventions framework for a financial institution that protects customer financial information.

**Significance/Contribution to the discipline/Research Problem**:

* + This research would focus on the development of framework to implement Data loss prevention (DLP) within the financial institution's network, while the cloud-based components will be used to store and analysis data from endpoints, such as laptops and smartphones.

**Research Question**:

* How can a tailored Data Loss Prevention (DLP) solution effectively protect customer financial information in financial institutions
* **Aims and Objectives**:
  + To design and implement an effective Data Loss Prevention (DLP) solution tailored for financial institutions to ensure the security of customer financial information.

**Objectives**:

* + Investigate current DLP strategies employed by financial institutions.
  + Identify vulnerabilities and gaps in current DLP systems.
  + Propose a model that covers data at rest, data in transit, and data in use.
  + Develop and implement the proposed DLP model in a simulated financial environment.
  + Assess the effectiveness of the implemented DLP solution through controlled testing.
* **Key literature related to the project**:

Background of DLP Systems:

* + Understanding Data Loss Prevention
  + Data Security in the Financial Sector

Financial Data Vulnerabilities:

* + Security Gaps in Modern Banking
  + Financial Data Breaches:

Existing DLP Technologies:

* + Modern DLP Solutions: A Comparative Analysis
  + Financial Institution Security Measures
* **Methodology/Development strategy/Research Design**:

Qualitative Research:

* + Review current market DLP solution and implementation process
  + Analyse reported data breaches specific to financial information leaks.

Quantitative Research:

Evaluate the effectiveness by measuring parameters such as detection rate, false positives, and response time.

* **Ethical considerations and risk assessment**:
  + Ensure all personal and sensitive data from interviews are anonymized.
  + Obtain approval before testing or implementation
* **Timeline of proposed activities**:
  + Timeline for the project