Draft Research Proposal: **How do you build effective data classification and handling of documents**

Please provide your name: \_\_\_\_\_\_\_\_Gihan Shamike Liyanage (1142109) \_\_\_\_\_\_\_\_\_\_

1. Please provide a short introduction (2 lines) on the topic you are planning to research.
2. In one or two lines, tell me why this topic is important and needs further research.
3. Please provide your research question.

Short introduction

Selected topic: **How do you build effective data classification and handling of documents**

Data classification and effective handling of documents perform a key role in today's data-driven world. This research objective is to explore strategies, methodologies, and best practices to creäte well-built systems for organizing, categorizing, and managing data, ensuring its security and accessibility.

Why this topic is important and needs further research

More research on developing effective data classification and document handling is compulsory to handle the issues provided by the growing volume of data, regulatory restrictions, and the need for rapid information retrieval and cooperation in the digital age.

Research question

* What are the major challenges and limitations in existing data classification and document handling methods?
* How can machine learning and NLP approaches can be used to enhance document management and data classification?
* What are the best practices for designing and implementing data classification systems that ensure both accuracy and efficiency?
* How can data classification systems be adapted and optimized for different domains or industries?
* What are the potential privacy and security risks associated with data classification and document handling, and how can they be mitigated?
* How do data classification and document handling techniques need to evolve to accommodate emerging technologies, such as cloud computing, big data, and IoT?