WORKSHOP #1

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DEFINE THE PROBLEM

The problem involving legacy systems in the world today goes beyond just personal computers. Businesses and organizations still use them today, but they are close to drawing their last breaths. This interdisciplinary research topic aims to shed light on the reasons for replacing legacy systems, the complexities involved in the process, and the benefits organizations can attain through successful modernization efforts.

INTERDISCIPLINARY APPROACH

Legacy systems were once cutting edge and all the rage when it came to computer systems. They are still being used today but are severely outdated by the more prevalent and advanced computer systems. The use of these old systems can pave the way for hackers and cyber attacks to make their way into the infrastructures of organizations and other entities. With the insights drawn from computer science, cybersecurity, business management, and sociology, organizations can make informed decisions to improve their systems and keep up with the advancements of technology for years to come.

IDENTIFY RELEVANT DISCIPLINES

The most relevant disciplines that would be explored in this research include; computer science, cybersecurity, business management, and sociology.

LITERATURE SEARCH

Get a better understanding of how other have conducted researched and studied legacy systems.

ADEQUACY WITH EACH DISCIPLINE

Gather an adequate understanding of each discipline: computer science, cybersecurity, business management, and sociology. Use research to pull different theories as a means of offering information about the problem.

ANALYZE AND EVALUATE

Computer Science: Analyze Moore's Law and how it pertains to legacy system performance. Compare legacy systems with new age systems.
Cybersecurity: Take a look at cryptography and encryption methods used by legacy systems and compare them to new age systems.
Business Management: Analyze the maintenance costs of running legacy systems compared to new systems that have been introduced.
Sociology: Look at ideologies of businesses and organizations that still run legacy systems and see how they feel about replacing the old system with the new.

IDENTIFYING CONFLICTS AMONG INSIGHTS AND THEIR SOURCES

Look at conflicts between the problems and their resources.

CREATE COMMON GROUND BETWEEN INSIGHTS

Analyze each insight and establish a common ground between each one.

CONSTRUCT A MORE COMPREHENSIVE UNDERSTANDING

Create an understanding that coincides to the problems and disciplines used.

REFLECT ON, TEST, AND COMMUNICATE UNDERSTANDING

Reflect on the understanding of each step and how each discipline relates to legacy system replacement.