Scope of Work (SOW) Definition

- What does defining the Scope of Work (SOW) / or Scope of Research for the praxis mean?
- Why is it important to define the SOW for the research phase?
- What parts of the praxis need to have a clear SOW?
- What are the benefits of having a clear SOW for the praxis?
- What are the risks of not having a clear SOW for the praxis?

Scope of Work (SOW) Definition

- Defining the Scope of Work (SOW) for the research phase includes, but is not limited to, setting the defined boundaries for the study. It outlines the targets of the study in terms of the parameters such as the **objectives, methodologies, and deliverables**.
- SOW definition is crucial to a successful research phase as it provides **clarity and focus** and makes it clear to stay on track. It also helps in assessing the **feasibility** of the project.
- One of the main risks of not having a clear SOW for the praxis is the inability to complete the goals of the study within the allocated amount of time.

Scope of Work (SOW) Definition

- Global Cyber Threat Landscape Analysis using Machine Learning and Simulations: Conducting an examination of all cyber threats, vulnerabilities, and emerging trends on a global scale, spanning various industries and geographical regions.

    - Any thoughts on this topic?
    - Is the topic specific?
    - Are the boundaries clear?
    - Can it be accomplished within a year of research by a single researcher?

Scope of Work (SOW) Definition

- Advanced Intrusion Detection System Development: Creating and implementing cutting-edge systems that can identify and neutralize any complex cyber threat effectively.
    - Any thoughts on this topic?
    - Is the topic specific?
    - Are the boundaries clear?
    - Can it be accomplished within a year of research by a single researcher?

Scope of Work (SOW) Definition

- Both are exciting topics to work on, but they try to address large issues that can be broken down into various praxis research projects.
- They also lack specificity and boundaries in terms of a clear SOW for the methodologies used.
- They also lack specificity and boundaries in terms of a clear SOW for the region addressed.
- They also lack specificity and boundaries in terms of a clear SOW for the industry/application targeted.

Scope of Work (SOW) Definition

- Exploring Ransomware Attacks in the U.S. Healthcare Sector using Deep Learning: Conducting an analysis using incident response data to investigate the patterns, impacts, and mitigation strategies related to ransomware attacks on healthcare organizations in the United States between 2017 and 2020.

    - Specific sector, cyberattack type, timeframe, region, and methodology.
    - Clear boundaries.
    - Can it be accomplished within a year of research by a single researcher?

Scope of Work (SOW) Definition

- Detecting Insider Threats in Financial Institutions in Australia: Developing and implementing a machine learning-based anomaly detection model to identify and mitigate insider threats in the financial sector in Australia using a dataset of banking insider threat incidents captured between 2014 and 2018.

    - Specific sector, cyberattack type, timeframe, region, and methodology.
    - Clear boundaries.
    - Can it be accomplished within a year of research by a single researcher?