

REVIEWER'S REPORT

Manuscript No.: IJAR-59386

Title: Artificial Intelligence for Predictive Cyber Threat Detection and Automated Incident Response in Saudi Critical Infrastructure.

Recommendation:

Accept as it is
Accept after minor revision.....√.....
 Accept after major revision
 Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality			√	
Techn. Quality			√	
Clarity	√			
Significance		√		

Reviewer's ID: JPR-112

Reviewer's Comment for Publication:

The manuscript presents a relevant and timely review of artificial intelligence applications for predictive cyber threat detection and automated incident response in Saudi critical infrastructure. The discussion effectively covers machine learning, deep learning, federated learning, cyber threat intelligence, adversarial robustness, explainability, human oversight, and bounded response automation. The Saudi-specific perspective and emphasis on operational technology, physical consequences, governance, and sector-specific requirements add practical significance to the review. The proposed detection-to-response architecture and focus on resilience-oriented evaluation are valuable contributions. However, minor revisions are recommended. The authors should carefully proofread the manuscript to correct grammatical errors, spacing and punctuation issues, and several awkward or incomplete sentences. Reference formatting and citation consistency should also be checked throughout, particularly where author names, years, and DOI information are presented inconsistently. The distinction between predictive detection and conventional post-event classification should be clarified further, and the proposed framework should be presented more clearly through the relevant figures/tables. Some lengthy sections could also be condensed to improve readability and avoid repetition. Subject to these minor revisions, the manuscript is relevant, technically informative, and potentially significant for AI-driven cybersecurity and resilience of Saudi critical infrastructure.