Review of: "CNN-Based Road Damage Detection"

Radha Rani

Potential competing interests: No potential competing interests to declare.

Reject

The title lacks specificity, failing to include key methodological terms.

While the Introduction discusses prior research, the absence of citations weakens its comprehensiveness. Additionally, the paper lacks clear statements on its contributions and specific objectives.

The literature survey fails to address limitations in existing works or identify research gaps.

The statement "Our experiments suggest that our technique can achieve a Mean F1-Score" lacks empirical grounding and appears speculative.

Figures 1 and 2 lack descriptions and are overly conceptual, providing little insight into the proposed framework.

Data sources and annotation details are unspecified, leaving gaps in the methodology.

Specific data pre-processing techniques employed are not detailed.

The absence of the YOLOv5 architecture is noted.

Training, hyperparameter, and experimental configurations are missing.

Inadequate discussion on hardware implementation and integration is observed.

The scalability and computational efficiency for large-scale deployment are not addressed.

Methodology lacks insight into real-time deployment feasibility.

Lack of comparison with existing road damage detection methods diminishes competitiveness.

The results and discussion section lacks detailed analysis.

The conclusion is cursory, lacking depth.

A separate sub-section for future scope is unnecessary.