

Model performance test

Date	9 november 2023
Team ID	PNT2022TMID611670
Project name	
Maximum marks	10 marks

Model performance Testing :

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-	<p>Lumpy skin disease (LSD) is a highly contagious viral disease that affects cattle, buffaloes, and other bovines. It is caused by the lumpy skin disease virus (LSDV), which is a member of the poxvirus family. LSD is characterized by the formation of nodules on the skin of infected animals, as well as fever, lymphadenopathy, and reduced milk production.</p> <p>Machine learning (ML) and artificial intelligence (AI) can be used to predict the occurrence of LSD outbreaks. This can be done by developing ML models that are trained on historical data of LSD outbreaks, such as meteorological data, geospatial data, and livestock data. Once trained, the ML model</p>

			<p>can be used to predict the risk of LSD outbreaks in a given area.</p> <p>Model inputs:</p> <p>Meteorological data: temperature, humidity, rainfall, wind speed, etc.</p> <p>Geospatial data: elevation, land cover, proximity to water bodies, etc.</p> <p>Livestock data: population of cattle, buffaloes, and other bovines in the area.</p> <p>Model output:</p> <p>Risk of LSD outbreak: low, medium, or high.</p> <p>The model can be trained on a dataset of historical LSD outbreaks, which would include the model inputs and outputs. Once trained, the model can be used to predict the risk of LSD outbreaks in new areas.</p>
2.	Accuracy	Training Accuracy - Validation Accuracy -	100 97
3.	Confidence Score (Only Yolo Projects)	Class Detected - Confidence Score -	 80