	Fail (0-49%)
1. Introduction: problem formulation and summary of results	Poor or not well-defined problem formulation and poor summary of the results
2. Solution methodology (e.g. choice of the neural network architecture, training methods)	Poor or inadequate application of theoretical concepts; poor explanation of underlying theoretical principles; application of basic deep learning methods
3. Implementation	Poor implementation in TensorFlow of deep learning models, training, or testing; code presenting execution errors.
4. Choice and description of data	Poor choice of data and poor description of data properties
5. Numerical evaluation	Use of inappropriate metrics to evaluate performance of the solution; poor performance results
6. Conclusion	No conclusion or not well justified concluding remarks
7. Presentation quality	Poor structure with few explanations

Pass (50-59%)	Merit (60-69%)
Clear explanation of the problem formulation and clear summary of the results	Clear and well-motivated problem formulation based on literature that has some challenging elements; clear summary of the results
Satisfactory application of theoretical concepts; satisfactory explanation of design choices and underlying theoretical principles; application of basic deep learning methods	Well identified and applied appropriate theoretical concepts; well explained design choices and underlying theoretical principles; application of more advanced deep learning methods
Good implementation in TensorFlow of basic deep learning models, training, and testing	Very good implementation in TensorFlow of more advanced deep learning models, training and testing methods; well structured and well commented code
Satisfactory choice of data for the research question studied; good description of data properties	Good choice of data for the given problem; dataset has some complexity either with respect to structure or volume; clear description of data properties
Use of standard performance evaluation metrics; satisfactory performance results	Good use of standard performance evaluation metrics; comparison of different solutions (e.g. models and training methods)
Overall sound conclusion	Sound conclusion; summarised main results of the study based on obtained results; identified directions for future research
Good structure of the report; cited references used in research	Clear presentation; well structured report; cited references used in research

Distinction (70% and over)	Weighting of Rubric
Clear explanation of the problem formulation; challenging and well motivated problem formulation based on literature; clear summary of the results; evidence of critical thinking	10%
Well identified and applied theoretical concepts; well explained design choices and underlying theoretical principles; show deep understanding of the solution concepts; application of state-of-the-art deep learning methods; evidence of critical thinking	20%
Excellent implementation in TensorFlow of advanced deep learning models, training and testing; demonstrating proficiency of how to use TensorFlow to implement, train, and test advanced deep learning models; well structured and well commented code	25%
Excellent choice of data to address the given problem; data has complexity with respect to structure and volume; clear description of data properties	10%
Use of standard performance evaluation metrics following best practices to evaluate and compare different solutions; fair and well defined comparison; conclusive and well summarised numerical results; evidence of critical thinking	25%
Excellent conclusion; well summarised main results of the study, clearly supported by obtained results; identified interesting directions for future research; evidence of critical thinking	5%
Clear presentation, well structured report; effective communication of the results up to a professional standard; cited references used in research; cited references indicate a thorough research; identified and discussed key references	5%
	100%