

	Fail (0-49%)
1. Introduction: problem formulation summary of results	Poor or not well-defined problem formulation and poor summary of the results
2. Solution methodology (e.g. choice of data model; computation model; storage systems, machine learning algorithms)	Poor or inadequate application of distributed computing methods; poor explanation of underlying principles; application of basic methods
3. Implementation	Poor implementation
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
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 distributed computing methods; satisfactory explanation of principles; application of basic methods	Well identified and applied appropriate distributed computing methods; well explained methods; application of more advanced methods
Basic implementation using a system for distributed data processing; performed simple data processing using an API	Good implementation using a system for distributed data processing; performed data processing using an API; well structured and well commented code
Satisfactory choice of data for the given problem; dataset has some characteristics of big data (volume, variety, velocity, veracity) and is of moderate volume; good description of data properties	Good choice of data to address the given problem; dataset has some characteristics of big data and is of sizeable volume; clear description of data properties
Use of standard performance metrics	Good use of standard performance metrics; reported some performance gains obtained by distributed computing on multiple worker nodes
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 distributed computing methods; well explained underlying methods; show deep understanding of the solution concepts; application of advanced methods; evidence of critical thinking		20%
Excellent implementation using a system for distributed data processing; show full understanding of the underlying distributed computing concepts; performed data processing using an API; developed own functions when appropriate; well structured and commented code		30%
Excellent choice of data to address the given problem; data has substantial complexity with respect to characteristics of big data and is clearly of volume that justifies the use of distributed computing; clear description of data properties		10%
Use of standard performance metrics following best practices to evaluate and compare different solutions; clearly demonstrated and explained performance gains obtained by distributed computing on multiple worker nodes; obtained conclusive results; evidence of critical thinking		20%
Excellent conclusion; well summarised main results of the study, strongly supported by obtained results; identified interesting directions for future research; evidence of critical thinking		5%
Clear presentaton; 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%