

Marking Rubric

Assignment 3: Past, Present and Future of Data Engineering

Criteria	Ratings					Points
1. Understand the Evolution of Data Engineering Historical development, big data, and technological milestones	High Distinction (HD) (17-20) Demonstrates deep, insightful, and well-articulated understanding with strong synthesis of concepts and examples.	Distinction (DN) (14-16) Strong understanding with minor gaps, good synthesis and relevant examples.	Credit (CR) (10-13) Sound understanding, covers key points with some analysis.	Pass (P) (6-9) Basic understanding with limited depth, mostly descriptive.	Fail (F) (0-5) Poor or inaccurate understanding, lacks clarity or relevance. AI generated answer.	20 marks
2. Analysis of Current Issues Data quality, complexity, integration, and real-world relevance	High Distinction (HD) (17-20) Excellent critical analysis with strong, well-supported insights, clear link to data engineering practice.	Distinction (DN) (14-16) Good analytical discussion, relevant and well-structured with some depth.	Credit (CR) (10-13) Adequate analysis, some relevant discussion and examples.	Pass (P) (6-9) Basic discussion, tends to be descriptive, lacks depth.	Fail (F) (0-5) Superficial or absent analysis, lacks coherence or relevance. AI generated answer.	20 marks

3. Vision for the Future of Data Engineering Emerging trends, innovations, and personal reflection	High Distinction (HD) (17-20) Presents a compelling, original, and well-supported vision, strong reflection and integration of ideas.	Distinction (DN) (14-16) Clear and thoughtful future outlook, supported by readings and some critical thought.	Credit (CR) (10-13) Logical future direction, somewhat supported, limited depth of reflection.	Pass (P) (6-9) Basic future perspective, lacks insight or strong justification.	Fail (F) (0-5) Vague or unrealistic view, no reflection or connection to topic. AI generated answer.	20 marks
4. Referencing and Integration of Provided Readings Use of given papers, proper citation, and incorporation into the report	High Distinction (HD) (13-15) Seamless integration of all readings, accurate and consistent referencing throughout.	Distinction (DN) (10-12) Good integration of most readings, minor citation or formatting issues.	Credit (CR) (7-9) Basic use of readings, some referencing errors.	Pass (P) (4-6) Minimal integration of readings, multiple citation or formatting issues.	Fail (F) (0-3) Little to no use of readings, referencing largely incorrect or missing. Has used AI but no reference made.	15 marks
5. Structure, Clarity, and Presentation	High Distinction (HD) (9-10) Exceptionally well-organized and fluent,	Distinction (DN) (7-8) Well-structured with clear expression, minor	Credit (CR) (5-6) Generally clear and organized, some inconsistencies in	Pass (P) (3-4) Some structural issues, unclear	Fail (F) (0-2) Disorganized and unclear, significant issues with	10 marks

Logical flow, language, formatting, and adherence to word count	clear, professional writing, adheres to format and word count.	formatting or word count issues.	flow or presentation.	language or poor formatting.	structure, language, or word count.	
6. Originality and Critical Thinking Depth of thought, synthesis, and personal insight	High Distinction (HD) (13-15) Highly original and insightful, demonstrates deep critical thinking and synthesis.	Distinction (DN) (10-12) Some original thought, strong attempt at synthesis and reflection.	Credit (CR) (7-9) Some critical thought evident, mostly descriptive with limited originality.	Pass (P) (4-6) Limited critical thinking, ideas are generic or repeated.	Fail (F) (0-3) No evidence of critical thought or originality, relies heavily on repetition or surface-level summary. AI generated answer.	15 marks
Total out of 100						