Bayesian Network Project Rubric

Category (Weight)	Insufficient (0-5)	Appropriate (6-7)	Good (8-9)	Excellent (10)	Grade
Model Correctness (25%) (Structure and Probabilities)	- Variables, states, and relationships are unclear or missing. Probabilities are unreasoned or poorly assigned.	- Variables and relationships are mostly reasonable. Probabilities partially justified.	- Well-defined variables and relationships. Probabilities generally justified with minor inconsistencies.	- Variables, states, and relationships are entirely appropriate for the problem. Probabilities are fully justified with strong reasoning or evidence.	
Model Complexity (15%) (Appropriateness of Design)	- Model is overly simplistic or unnecessarily complicated. Lacks scalability or meaningful depth.	- Model has reasonable complexity but may miss key relationships or details.	- Model balances simplicity and depth effectively, capturing essential relationships.	- Model demonstrates thoughtful complexity, fully addressing the problem and providing meaningful insights.	
Demonstration of Inference (25%) (Scenarios and Analysis)	- Inference scenarios are missing or incorrectly performed. No explanation of results.	- Basic inference scenarios are included but lack clarity. Explanations are incomplete or inaccurate.	- Multiple inference scenarios are included with clear and mostly correct explanations.	- Inference is demonstrated through multiple relevant scenarios with clear, precise, and insightful explanations.	
Clarity of Explanation (20%) (Delivery of Content)	- Video is disorganized or unclear. Explanations lack depth and coherence.	- Video is somewhat organized but lacks engagement or clarity in parts.	- Video is well-organized and engaging, with minor issues in delivery or clarity.	- Video is highly engaging, concise, and clearly conveys all key aspects of the project.	
Presentation Quality (10%) (Visual and Technical Aspects)	- Poor visual or technical quality (e.g., hard to follow, poor visuals).	- Presentation quality is acceptable but not engaging or polished.	- Visually appealing and technically sound presentation with minor flaws.	- Highly professional, visually engaging, and technically excellent presentation.	
Creativity and Effort (5%) (Application and Insights)	- Little to no effort in selecting an application or providing insights. Generic or unoriginal project.	- Application is relevant but lacks originality or depth. Limited insights.	- Application is interesting with moderate originality. Good insights provided.	- Application is highly original or particularly relevant. Thoughtful and detailed insights are provided.	