

**Advanced Artificial Intelligence**

CMP9132M | Assessment Item 1

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The following report will entail an appraisal and analysis of a range of artificial intelligence techniques and consideration for the application of effective decision-making, problem solving and learning for solving a given issue.

**Task 1.A**

The first task of this assignment involves the ‘rare disease and test problem’ scenario where the environment being considered situates a total of two variables, these variables are the following:

* d: the person has the disease.
* t: the test is positive.

-Introduce the problem at hand

-Introduce key concepts used to solve the issue

-Refer to academic literature to back up claims

-Explain how solution operates

-Justify strengths and weaknesses of solution