

Stamford University Bangladesh
Assignment: 1
CSI 421: Artificial Intelligence and Expert System
Spring 2021 Trimester

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(Marks: 10%)

Objective:

The objective of this assignment is to develop skills relating to agent construction, formulating PEAS description and, identifying proper environmental characteristics.

Tasks:

1. Consider a software agent which can compose music after being trained on numerous tracks from famous musicians. It can create music in many different styles and imitate classical composers like Mozart or, contemporary musicians like Lady Gaga. However, it continuously learns from user reviews and, tries to improve its performance. Now, write the PEAS description for this Smart Music Composer.

Write the PEAS description for the aforementioned Smart Music Composer.

2. Consider the Environment of the Smart Music Composer describe in 1. Now fill the Table 1. giving tick (✓) if you agree and cross (X) if you don't. Justify your answer accordingly.

Table 1: Nature of Task Environment

Task Environment	Deterministic	Episodic	Dynamic	Discrete
Clinical Decision Support System				

Submission Guideline: You must submit the assignment in Edmodo group. Hardcopy submissions will not be accepted. Solve the task and put them in one single pdf file. The filename should be your Student ID no.

-: The End, Good Luck! :-