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Patent Search

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Abstract:

Machine Learning based Approaches for Prediction of Personalised Feedback and Assessment in Higher Education is the proposed invention. The proposed invention foc understanding the functions of Assessment in Higher Education. The invention focuses on analyzing the parameters of Personalised Feedback in Education using algorithm Machine Learning.

Complete Specification

Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] Machine learning (ML) is a branch of artificial intelligence (AI) that uses algorithms to develop computer systems that can perform complex tasks without explicit instructions. ML is based on the idea that systems can learn from data, identify patterns, and make decisions with minimal human intervention. Machine learning (ML) algorithms are trained on data sets to create self-learning models that can predict outcomes and classify information.

[0003] A number of different types of feedback analysis systems that are known in the prior art. For example, the following patents are provided for their supportive teachings and are all incorporated by reference.

[0004] US20060166174A1: System and methods for predicting and dynamically adapting the most appropriate content and teaching strategies that aid individual student learning. System and methods are based on a cognitive model that integrates new information with what the student already knows. A program of study is predicted by unique cognitive needs of the individual student correlated with aggregated student data history using an Artificial Intelligence Engine (AI Engine). Said system and meth then dynamically adapt the initial cognitive model to the student's ongoing progress using personalized software Agents. Said system and methods include a computer network that incorporates a server-side AI Engine and a collection of client-side software Agents embodied as animated characters. The program connects new informat to prior knowledge and then strengthens these connections through dedicated learning Activities, customized to the student, to ensure that effective, and real, learning occurs.

[0005] Education is the transmission of knowledge, skills, and character traits and manifests in various forms. Formal education occurs within a structured institutiona

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