NEW STRUCTURE OF LEARNING MANAGEMENT SYSTEM FOR FORMATION OF LANGUAGE SKILLS BY USING VISUAL APPROACH

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The integration of refugees is a dynamic and multifaceted way process which requires efforts by all parties concerned, including a preparedness on the part of refugees to adapt to the host society and learn their language, which made the enormous efforts by European Union countries to integrate refugees and migrants due to the lack of effective tools for rapid learning of adults for practical linguistic and labor skills. The current system of instruction is traditionalist and not adjusted for such tasks. The progressions conveyed to the world by technology innovations and the Internet, require from the individual a totally extraordinary model of behavior, particularly in the sphere of instruction.

The use of spaced repetition methods in old programs and services allow you to memorize quickly poorly structured information than provoke users to spend a lot of time on a completely unproductive activity on memorizing and translating words out of context and structure.

Despite the many studies of language, memory, thought and other language-based mental processes, the mechanisms for shaping the language itself and its primary skills are much worse. There is currently no common model accepted. The absence of such a model leads to the complexity and subjectivity of the level of skill assessment and the impossibility of obtaining an objective numerical estimate. And if we can't measure a phenomenon, we can't control it.

To accelerate the acquisition of language, we are working to create new learning system depends on visual models and colors, the essence of this approach is structured knowledge and translating information about the laws of the subject field into a visual form. Development of visual meta-language to non- verbal communication with the teacher-student systems, human-computer and human-human can help improve facilities for training and create a new generation of Learning Management System (LMS).

This work is aimed to analyze the methods of acquiring language using scientific theories and visual approach and visual model, as well as using the tools of systems analysis and information technology to develop a modern program for learning management system. The main objective, which proposed a study on real-time audio processing and its application for sentence map and visual interaction on the web.

The implementation of such new LMS Platform implies the fulfillment of the following conditions:

1. Show and analyze the elements of the proposed system.
2. Planning actions of architecture design.
3. Registration of the results of development in accordance with the stated requirements.

Our new system take into consideration the new plate form by implementing new methods of learning and that the visual approach and the conversion of sentences to intermediate models such as maps is the most effective way to speed up learning. So we are going to build a program to use images and maps for learner training to acquire language by seeing the image (Figure 1) then the structure visual models (SVM) (Figure 2) to learn how to construct the sentences "Mind Maps", and listening, followed by sounding out and repeating the words. All requirements for building the program and the basic elements have been obtained.

Figure 1-Table for training

Structure visual model of the English sentence and developed on its basis the visually bodily method of modeling the structure of the English language that changes the very approach to the study of English grammar (Figure 2).

Instead of complex rules - simple and understandable schemes;

Instead of an abstract theory - practical and convenient tools;

Instead of book phrases - usual physical actions;

Instead of hundreds of pages of verbal description - a complete and harmonious system, on one sheet.

Without going into the theory, you can add phrases of any complexity and express any of your thoughts in English.
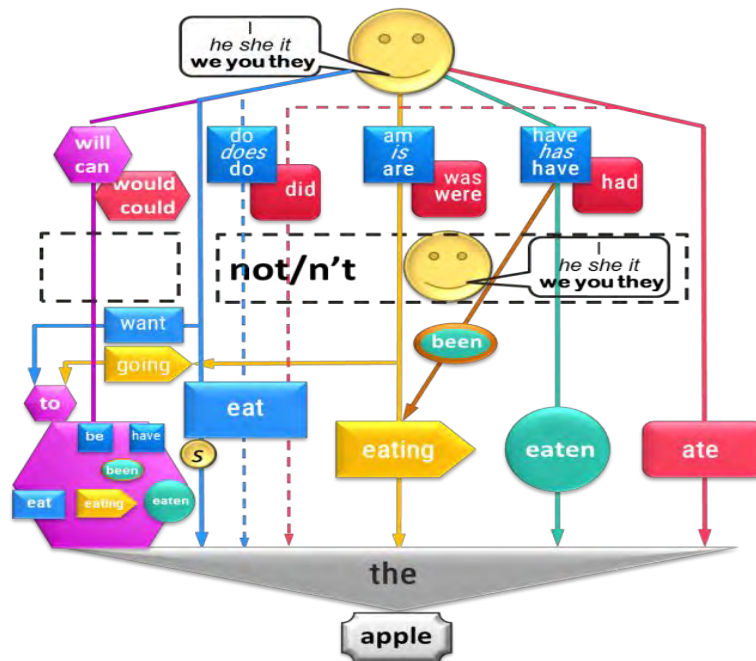

Figure 2-Model structure of declarative sentence

SVM has already been successfully used to train a fairly large number of students. Subjective reports indicate a significant acceleration of the learning process of basic grammatical structures.

For the most effective training of future adults using (SVM) and Internet technologies, it is necessary to create a model of the information and educational environment to accelerate learning of foreign language. Such a model will allow carrying out vocational training at a new level, increasing the motivation of students, providing visibility of almost any language, and teaching modern methods of language acquisition, which will undoubtedly be a condition for achieving a new quality of education.

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