An Intelligent Tutoring System On The WWW Supporting Interactive Learning.

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Abstract: Web-based education is currently a hot research an development area. Thousand's of Web based courses and other educational applications have been made available on the Web, but the problem is that most of them are nothing more than a network of static hypertext pages. This paper describes the new features of an adaptative intelligent tutoring system (ITS) on the Web. The architecture presented in this paper provide a protected learning environment to facilitate efficient learning to the students with adaptation of the learning environment to the learner's goal and capability. To produce this educational system, we distinguish three spaces:
* Adaptative navigation space to support the students orientation and help them to find an "optimal path", with use of case based reasoning technic (CBR).
* Adaptative collaboration space to use system's knowledge about different users (stored in user models) to form a matching collaborating group. The collaboration is available between the tutor system and the learner or learner/learner or group with tutor.
* Adaptative information space to adapt the content of pages to the user's goals stored in the user model.
The architecture of our system will be presented and the implementation is in high progress.