

REFERENCE: 135263-LLP-1-2007-1-IT-KA3-KA3MP

Babylon & ONtology: Multilingual and cognitive e-Learning Management System via PDA phone

DESCRIPTION: BONY is based on cognitive e-Learning Management System (eLMS) allowing users to find and learn the units strictly requested and strictly necessary to achieve their training experience. BONY will supply a multilingual access to information. This involves an ontological approach to the knowledge and an interconnection among formative contents and interactive multimedia thanks to the semantic web methodology. Formative units will be delivered using a PDA phone, in order to produce the first in-site intelligent e-learning system which will change user's perspective on learning. We would like to improve the following ICT equipment able to support efficiently any training process: (i) an Ontology based e-course on Project Cycle Management (P.C.M.) because project management is a European professional reality, with the vision to promote future European cooperation to realize further courses on different subjects: businesses, arts, etc. (ii) an adaptive and intuitive e-learning system able to learn and configure itself according to its "understanding" and interaction with learners' behaviour, improving a system able to identify learners' requirements and progress, to generate random test on the formative units required and to verify trainees' progress; (iii) a mobile phone adapter system able to summarise intelligently the required units and to send smart modules to a PDA phones. (iv) a trainee/trainer Social Network acting as "bank of time" helpful to create a "Friends-to-Friends" expert community, able to exchange know-how on Project Cycle Management, with the aim of further integration, inter-cultural dialogue and comprehension. Example: We can imagine a Greek trainee moving to Italy for a training experience as a project manager assistant into an Italian enterprise. Our trainee could need formative units regarding the project cycle management and pertinent Italian linguistic course. BONY will automatically generate a linguistic and professional entry test (user's behaviour modelling). Once the system has identified the trainee's knowledge level, it will suggest appropriate units about P.C.M. in the desired language (multilingual access). The user can select pertinent units, expressing his preference and then start to learn (learning phase). As soon as the user considers to be ready to test his new skills, the BONY virtual tutor will automatically generate appropriate multi-answer tests on the basis of consulted units. The system will then suggest other units (access to upper skill level) accordingly to tests results and precedent user's manifestation of interest, and so on (interaction human-machine). Thanks to Friends-to-Friends social network, the user can be supported by a "recommended" specialist; in exchange he can share his professional or linguistic skills.

COORDINATOR: P.M.F. S.R.L.
Via Mario Sangiorgi n.37
CATANIA 95129, IT
Phone: + 39 0957463250
Fax: + 39 0957463260
Email: manente@jogroup.eu
Internet site address: www.pmfonline.net

CONTACT: Dr Manuele MANENTE

PARTNERS:

- AINTEK AE, GR
- 4SYSTEME POLSKA SP. Z.O.O, PL
- CONSIGLIO NAZIONALE DELLE RICERCHE, IT
- INK CATALUNYA, S.A., ES

GRANT AMOUNT: 491,203 €

APPROVED BUDGET: 654,955 €

CONTRACT DURATION: 24 months