www.DBTechNet.org

DBTech EXT

Education and Culture DG
Lifelong Learning Programme

A European Project for the Database Technology Professional

DBTech EXT (01/2009 – 12/2010) is the continuation of the DBTech Professional (DBTech Pro) project which ran for 2.5 years (December 2002 to May 2005). DBTech EXT is co-financed by the European Union LifeLong Learning Transversal Programme, and its inner-circle (see below) members. The two projects aim at increasing the competence of the European database technology professional, enabling him/her to acquire knowledge and skills in today's state-of-the-art database technologies. Behind both projects stand the members of the Database Technology Network (DBTechNet) initiative, first launched in 1997.

The project is co-ordinated by the HAAGA-HELIA University of Applied Sciences. The DBTech EXT partnership involves inner- and outer- circle members. Seven (7) universities one (1) company, and three (3) vocational education training (VET) centres comprise the project's core (inner circle) partnership, representing six (6) member states: Finland, France, Germany, Greece, Spain and the United Kingdom. Academic establishments, organizations, companies, and VET centres are invited to join-in as outer circle partners. The latter act as recipients and evaluators of the project deliverables. At project initiation time (January 2009), the project's outer-circle partnership had as follows:

1. DBMS vendors/dealers: IBM (Finland and UK), Microsoft (Finland), Oracle (Finland and Germany)
2. ICT companies: Computer Control Systems (Greece), Eutrek (Greece), Novasoft Formation (Spain), Kantamestarit Oy (Finland), Levigo Software GmbH (Germany), Corvinno Technology Transfer Center Ltd. (Hungary)
3. Academic establishments: TEI Athens (Greece), Lahti University of Applied Sciences (Finland), Warsaw University of Life Sciences (Poland), Higher Education Institution of the Province of Liège (Belgium)

The DBTech EXT project deliverables are organized in three major activities:

1. Seven (7) laboratory workshops on modern database technology knowledge areas:
   - database modeling and semantics
   - data access patterns and O-R mapping
   - distributed, replicated, mobile and embedded databases

- concurrency control and recovery extended to disconnected data access including web services
- database administration and tuning including index design
- business intelligence including data warehousing and data mining
- XML and databases, standards and implementations, including XQuery.

The educational and training content of each DBTech EXT laboratory workshop is to include trainer and trainee guides, lecture slides, self-training exercises with model answers, laboratory exercises, software installation and use instructions, assessment excercises with model answers, etc. It will become available for downloading via the DBTech EXT web portal, alongside with the appropriate links to the sites for downloading the free/open source software to be utilized. Regarding the use of commercial software, workshop participants entitled to free (e.g. educational) use, will be given access to the DBTech EXT servers via locally installed clients, whereas those without this privilege will be accessing the servers via a DBTech EXT-backed web interface.

The project aims at having the DBTech EXT laboratory workshop content be integrated into and comprise part of the educational and training content of the existing academic and vocational training classes offered by the project's inner- and outer-circle members.

2. The pedagogical evaluation of the workshops' content and assessment procedures.

3. The investigation of the need and possibilities for designing and developing graduate (MSc, PhD) programmes of education and training targeting knowledge areas of specific interest to database technology professional.

Those who will benefit by acting as DBTech EXT deliverable recipients include:

i. ICT professionals who wish to acquire a competitive edge in the modern database technology skills and practices

ii. Academics and VET trainers who wish to be introduced to and acquaint themselves with all or part of the DBTech EXT workshops content with the aim to incorporate it into the syllabi of their courses

iii. University students and VET trainees who wish to be introduced to modern database technology concepts and professional skills, and experience the use of the wide range of open source and commercial software utilized in the hands-on laboratory sessions over the internet.

Interested to become an outer circle DBTech EXT partner? Please feel free to contact us at:

dbtech.ext@gmail.com

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