

## Datasheet of the IKTA4/049 project

### I. *Development of EFTR (Unified Administration System for Higher Education) with three-layer technology*

Project start: November 1, 2001, duration: 12 months.

Amount of support: KHUF 60 000, total project cost: KHUF 140 000.

Project leader: **Cséfalvay Klára Dr.**

SDA Műszaki Fejlesztő és Gyártó Kereskedelmi Kft.

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Project URL: <>

### II. Consortium members (number of members = 1, the first member is the project co-ordinator)

| <i>no</i> | <i>name</i>  | <i>support</i> | <i>total cost</i> |
|-----------|--|----------------|-------------------|
| 1.        | SDA Technical Developer and Manufacturer Commercial Ltd. | KHUF 60 000    | KHUF<br>140 000   |

### III. Public presentations

No presentation is available.

### IV. Goals of the project

The main goal of this project is to develop the Unified Administration and Financial System for Higher Education (EFTR) based on a new technology.

The result of this project will be a modern software system using a three-layer technology (database layer, business layer, client layer), that is divided into specific modules according to the well-defined function groups, such as administration of students, administration of departments, class-room management, timetable scheduling, etc.). This software system will satisfy the demands of the ETR-specification defined by the Ministry of Education.

With the usage of the EFTR the integrated higher education institutes will be able to manage the complex administration processes of the credit system, which is generally required from 2002. The system will manage the registrations for courses, sign-ups for exams, pay-ups, pay-backs, etc. and will inform the users. The services of the EFTR system will be reachable connecting by Internet from anywhere around the world.

The experiences of the many-years operation of EFTR will be used in the design and development of the new software system. The upgrade of the base technology will result faster service, better tuning, more concurrent users and higher

security level. Using the modern three layer technology the software system will be more scalable so the demands originated from the different sizes of the education institutes can be more effectively satisfied. Most of the development of the WEB and the traditional Windows based user interfaces can be performed simultaneously since only the client side layers must be designed and developed separately, the underlying database and business layer will form a common base.

During this project the following steps should be done:

- The determination of the applicable three-layer technology (DCOM, CORBA, etc.)
- Designing tasks (the individual layers and their interfaces, the object model, the modules and their interfaces)
- Computer-programming tasks
- Testing tasks

- Installation tasks (trainings, migrations, installation of the software components, user support)

**V. Project results** (in case of finished projects)

The project is not finished.

**VI. Data on consortium members** (number of members = 1)

1. ***SDA Technical Developer and Manufacturer Commercial Ltd.*** (co-ordinator)

URL: <>

Support for the co-ordinator: KHUF 60 000, and its total cost: KHUF 140 000.

Contract number: .

Team leader: ***Cséfalvay Klára Dr.***

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