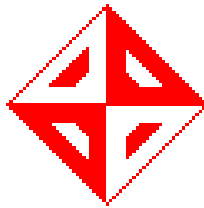# ACME Soft

Change Management and Quality Framework for Course Design and Planning

(EDUPLAN)

METU

2008

1. Team Members and Roles

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- Sami Akkuş (Summarizer , Recorder, Optimist)

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2. Project Description

Every courses in educational instutions are prepared in order to meet some course objectives. Depending on those course objectives, some course plans and course materials are arranged. At first sight, it seems to be easy to operate that process but it is not the case. Although course objectives are rarely changed, there may be lots of modifications in the course plan and couse materials during the semester or at the beginning of the semester. Problems mentioned may be solved by educators by changing the course plans and materials in every year, controlling the realibility and the maintanance of that system is another problem because every modifications and replacements are manually done and they spend huge efforts and time to renew their plans.

As we mentioned above, to provide a consistent solution to those issues, we need to develop **"Change Management and Quality Framework"** whose capabilities are roughly as follows;

1) The framework should implement a tree structure, because there will be a hierarchy with one to many relation among course objectives, course plans and course materials. At the top of this hierarchy the course objective will stand, then course plan and lastly course material.

2) Although the course objectives do not change regulary and this automation is human based, course plans tend to vary mostly. Instructors prepare their course plans and the materials according to their experiences, they use their own words; two course plans prepared by different instructors for the same course may be different. In order to make this process consistent, we will be handling text based comparisons. Because every native language have lots of words, and same opinion can be expressed in infinetly many ways, those comparisons must be done under some restrictions and standards.

3) The most important parts of the system are auto-warnings and auto-suggestions. When new entry or change in entry occurs in the system, it gives an alert to the

parent and child node and notify about the content of the change. Notifications will be showed via some diagrams and miscellaneous colorings. In additon, system will be capable of simulating consequences of the node operations such as node interchange or node deletion. Low level artificial intelligence based auto-suggestion module will be presented to the user whether he/she prefers to benefit from former entries. All of the entries inputted to the system will be archieved to database and be never deleted.

3. Ground Rules

- There will be one meeting on each week will be held at 13:40 on Friday.
- Each member must participate except for he has excuse.
- Each member who does not attend to meetings will be punished.
- Each member must daily check his email.
- Each member should have msn and must be online in the evenings during the project.