

CENG 491 PROJECT PROPOSAL

LOTSOFT

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1. GROUP DESCRIPTION

1.1. Group Members

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1.2. Project Title

Siemens EC Human Resources Management System

1.3. Sponsor

Siemens Kurumsal İletişim Hizmetleri San. ve Tic. A.Ş. (Siemens EC)

2. PROJECT DESCRIPTION

2.1. About Project

The alias of our project is SENTral. SENTral is the corporate human resources management system of Siemens EC. This is a kind of ERP software.

Our project is divided into three main parts. These three parts are specific modules named as master data, annual leaves and training. Our group is responsible for building of annual leaves and training modules.

2.2. Problem Description

Siemens EC has currently a corporate human resources management system which is based on an in-house developed framework. The system contains some disadvantages such as not being an open source, obsolete and not providing the needs of company and user requirements.

2.3. System Definition

In this project, we are going to use an open source Java Framework. It is going to be web based system that interact with users and database. The database is on Microsoft SQL Server. Because of that the corporate uses this database management system and will also use Microsoft SQL Server in our project.

2.4. Market Research

According to our market research, there are lots of companies produce human resource management systems. The general name of such systems is Enterprise Resource Planning (ERP) softwares. Our project contains some features such as being an open source system, sending important notifications by e-mail and/or sms and producing reports.

2.5. Project Characteristics

SENtral will be used to :

- Keep electronic records of the personnel master data (education, work experience, personnel data, certification, competencies, debits, income etc)
- Keep track of the annual leaves (vacation, rest, relaxation etc), allow planning, coordination and approval mechanisms for annual leaves throughout the fiscal year
- Keep track of personnel training, allow planning, coordination, approval and evaluation of personnel trainings

The system also sends notifications by e-mail and/or sms.

The project should be a web-based system which is developed on an open source Java Framework. The system should also used Microsoft SQL Server as database management system.

Our system will be used by whole staff of the company.

3. REFERENCES

- 1) OrangeHRM Inc. (2011). Retrieved October 31, 2011 from <http://www.orangehrm.com/>
- 2) CANIAS ERP – IAS Turkey (2009). Retrieved October 29, 2011 from <http://www.ias.com.tr/erp/erp.html>
- 3) Siemens Kurumsal İletişim Hizmetleri San. Ve A.Ş. (Siemens EC), Siemens EC Corporate Human Resources Management System(2011).