

ABSTRACT

In this thesis General Principles of content management system (CMS) was suggested.

The problem of content management system was discussed and a survey was made to analyze the problem. The result of the survey supplied a solution to the problems. Types of CMS was analyzed and discussed in details and the differences between types of CMS's technology were defined.

Method of object oriented programming (OOP) and content management system was applied to create the administration and performance management system of the University.

MySQL database and ruby (oop) computer program was used to write the software program. The apache HTTP server was used to run the software program on the local intranet system.

The main objective of developing this pilot was to explore the versatility of content management system (CMS) and to use the technology of CMS as precursor to handle content of a full blown automation of administration and academic performance management system. The system was tested and found adequately able to manage the administration system of the university. The system was found dynamic and can be applied to any modern University's administration system.

As case study, the system was tested at International Ataturk Alatau University (IAAU)