Project Proposal

- Group Name:

    Limon

- Member Names and IDs :

Shamil Farajullayev	1591098
Rustam Hashimov	1591106
Nahid Hamidli	1527159
Ömer Baykal	1630631

- Project Title : PPTX to HTML5 CONTENT CONVERTER

- Sponsor : Enocta

– Clear description of which problem you intend to solve.

Educational institutions and education departments of companies are faced with a problem during the process of instructing the employees which is being unable of keeping the track of employees' development. Most of the education programs are presented as Power-point slides; however It is impossible for employers to follow the process directly. They arrange instructive meetings for the workers which costs the companies a lot time and effort. Therefore, some of them starts to look for alternative solutions like cooperating with some consulting companies. Currently, these companies convert the pptx files to e-learning packages with SCORM[1] standard manually. We intend to solve this difficulty by developing a Power-point plug-in which will automatically convert pptx files into html5 that is accessible from any platform format without almost any human effort on SCORM standards while keeping the structure of slides as well as allowing the instructor to see which parts of the lesson are studied. Thank to this method, a lot of time and effort will be saved.

- Clear definition of what kind of system you will develop to solve this problem (your approach)

  We will develop a Microsoft Power-point plug-in or a web application to solve this problem.

  Plug-in; will be implemented inside the Microsoft Power-Point program and will export the currently opened document into html files compressed in a single .zip file.

  Web application; will ask user to select a .pptx document and upload it to our web servers, which will convert the document into a zip file containing separate HTMLs. Finally, it will provide the user a download link

- A market research on already available solutions. How does your system differ from those?

  There are some examples of such type of applications at the market such as:
  1)   Articulate Presenter[2]
  2)   Adobe Presenter[3]

  which convert Microsoft Power-point files to flash (.swf) format.

  Unfortunately, both programs cannot transform .pptx files to html5 which is said to be the future of the web and available for all platforms.
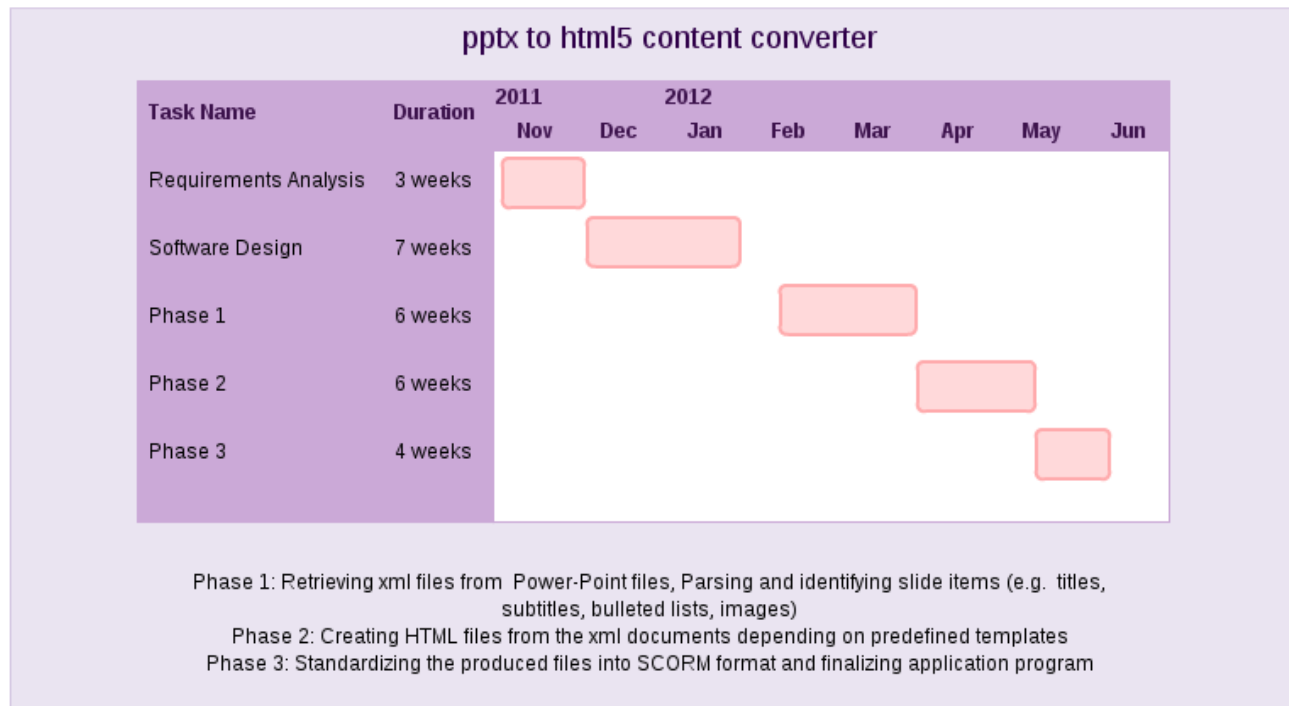
- Detailed characteristics of your project (What will be the coverage? What will be the limitations? What will your system do and what won't do? Who will be using your product? What will you demonstrate at the end?)

  Our system will use Microsoft .Net framework and libraries and will be coded entirely in C# language. It is going to produce one .html file for each Power-point slide. Then, user will be asked to choose the most similar template for every slide. Later, system will direct the user to the page where he/she will create the hierarchical structure showing which topic contains which subtopics by making a tree-like model. Training documents will obey the rules of the SCORM e-learning standards. Finally, all HTML files will be compressed into a single .zip file. Theoretically, everyone will be able to use our product, while practically it will focus on

educational institutions, education departments of companies and the university alumni. We plan to demonstrate a plug-in for Microsoft Power-point taking a pptx file and converting it to html5 format which can be installed and run as easy as one-click.

– Work plan of the whole project (as a Gantt Chart)

- References (those references you in fact used in the preparation of the proposal)

[1] http://en.wikipedia.org/wiki/Sharable_Content_Object_Reference_Model
[2] http://www.articulate.com/products/presenter.php
[3] http://www.adobe.com/products/presenter/