

# ITEC403 Graduation Project Orientation

The Project Proposal, Spring 2019

## The Tourist Information System for Famagusta City

In this project developer teams of ITEC403/ITEC404 will analyze, design and develop a responsive, multilingual WEB site to inform the tourists about a list of pre-determined viewpoints of the Famagusta city.

The front end of the proposed system will have two parts; the first will include a welcome page and a list of viewpoints including a thumbnail image and a brief information which should not be longer than a paragraph. Tourists may click any item on this list to reach the page will contain the details of the related viewpoint. The detail pages will contain textual information, video and audio in the selected language (Tourist may select the desired language of the page among the supported ones). The second part of the front page may lead the tourists to reach directly to the details pages with just reading the QR codes that will be stacked to the information panes (QR Codes will contains the URLs of the details page related with the viewpoint). Tourists will able to listen to the information texts of the details pages with clicking a “read” button (TTS -Text To Speech- facility have to be included in the solution for every supported language).

Tourists will also have got a chance to subscribe to the system with their Facebook or Google+ accounts to leave a message about their impressions and suggestions about the viewpoint that will be visible for others after the check and confirmation of the system administrator. Also, the registered tourists may do a **check-in** of the viewpoint on their social media pages (Facebook, Google+, ...)

The back end has to contain all necessary CRUDL (create – read – update –delete-list) functions of viewpoint details. A secure and user-friendly user-privilege-menu subsystem also have to be developed to let the top Administrator to manage the lower administrator accounts and their privileges (Top administrator will decide who can access which functions on their menus).

The back end will also have some functions for printing QR Codes of the URLs of viewpoints in pdf format when needed. QR Code print files will be used by Famagusta Municipality to stack properly to the existing information panes of the viewpoints.

The back end has to have functional manual/automatic back up facilities for database, code and for the other information (audio, video, pictures). The backups will be taken from remote systems.

The User interface of the proposed system have to be designed to satisfy the technical (responsiveness, different OSs’ visual requirements) and artistic issues (Typographic rules and standards).

The proposed system will work on Apache WEB Server, Server side scripts will be developed in PHP programming language; data will be kept in MySQL database. The front and back end user interfaces will be developed with HTML5, JavaScript, CSS codes and scripts. Bootstrap or Angular like user interface libraries would also be used after taking the permission of the graduation project committee.