ITEC403 Graduation Project Orientation

Requirement Analysis – Step 01

Dear Students,

If you read the proposal carefully, as also you can notice, the proposed system will have some functionalities which they are normally not existing in standard libraries of any programming languages.

Before starting the development of the system, it is a good practice to do spiking (researching the unfamiliar –unexperienced techniques and technologies, and then making some prototypes to understand how you will use-code them in your future work). In this context, on the first milestone of the project it is expected from you to spike the topics given below until 5th April 2019 (**First Milestone Deadline - FMD**).

While you are spiking, what you will learn, from which sources, have to be also carefully documented to be a part of "Literature Review" section of your ITEC404 Graduation Project Report. Hence, you have to get some feedback from Mrs. Yeşim Kapsıl Çırak and deliver your final work about this documentation part of the project until FMD to her.

During your spiking work you will develop some codes for prototyping new techniques and technologies which have to be completed until FMD and accessible as online from the WEB Sites which you are controlling. In this step of work you will get feedback for your implementations from Mr. Cem Yağlı.

Spiking Topics:

1. **QR Code**, how you can generate QR Code of any text in Php Language. **(URL: your-web-site/QRCode-test)**
2. **Pdf document**, how can you generate a pdf document dynamically in Php Language and make it downloadable on any web page. **(URL: your-web-site/Pdf-test)**
3. **TTF (Text To Speech)**, how can you transform any text to speech as an audio file in Php language and how can you play it on your WEB page. **(URL: your-web-site/TTF-test)**
4. Object-oriented Php programming. You will generate a simple Php Class including three private fields and public get_, set_ methods for these fields. You will create an object of that class, and use get_, and set_ methods to input and output in your test program. **(URL: your-web-site/OOP-Php-test)**