Lab 1 –Basic Concept of Web Technology

Purpose

- Create your first webpage '**Basic Concept of Web Technology**'

Due Date

- This lab must be handed in:
  Friday Sept 11, 2020 – before midnight

Assessment

- This Lab is worth 2% of your total course mark.

Assigned Readings

- ➢ **Lecture Slides** posted on Brightspace
  - Module 1 -> Part 1

- ➢ The following chapters of **Fundamentals of Web Development** will be useful in completing this exercise:
  - Chapter 1
  - Chapter 2

Lab Supplies

To complete this lab you will require the following lab supplies:
- Lecture Slides (**Module 1 -> Part 1**) posted on Brightspace
- Textbook: **Fundamentals of Web Development** by Randy Connolly and Ricardo Hoar
- Notepad++/Notepad (or other text editor, or IDE)

Summary of Tasks

1. Create your first webpage using Notepad++/Notepad.
2. View your webpage using a web browser.

Task 1

Create your first website using Notepad++/Notepad (or any IDE).

The title of the web page will be '**Basic Concept of Web Technology**'.

Handwrite the HTML needed to create a webpage that will contain the answers of the following questions:
- Why do we need a Uniform Resource Locator (URL)?
- Give an example of Uniform Resource Locator (URL) and specify all components of an URL.
- What is the difference between a static and a dynamic web site?
- Why do we need Domain Name System (DNS)?
- What is DNS address resolution?
- Give some examples of generic top-Level domains (gTLD).
- Give some examples of country code top-Level domains (ccTLD).
- What is the function (purpose) of Hypertext Transfer Protocol (HTTP)?
- Give some examples of HTTP request methods.
- Define a Web Server.

Be sure to name this file: **index.html**

Task 2

To hand in your lab go to Brightspace and navigate to Course Content → Labs and click on 'Lab 1 –Basic Concept of Web Technology' link.

Upload the HTML document (**index.html**) on Brightspace.