ASSIGNMENT I : Integrated Software Development Workshop  2021/2022

**Objectives**

This assignment evaluates a student ability in web platform development.

**Specification**

Setup Apache webserver inside a Docker container. Create a web application to allow users to convert a .pdf file to .txt file using Java PDFBox library (https://pdfbox.apache.org/). The web pages/forms should not be created using WYSIWYG text editor or from ready-made template.

Mark distribution:
Web server setup in a Docker container: 20%
GUI (HTML+CSS): 20%
Sending file to server: 20%
Convert PDF to TXT in server: 20%
Retrieval of TXT through a link: 20%

**Due Date**: 19 December 2021

**Submission format**

All codes (HTML, CSS, PHP, Java and scripts) + 5 mins (max) video recording of running the web application. Starting from the webserver, entering inputs and retrieving the inputs.

**Notes**

**This assignment is to be done by 3-4 students in a group. Any part of the program submitted by a student/group for the evaluation must not be shared with another student/group. Anyone caught copying or let his/her program to be copied will automatically get zero mark for the assignment. References taken from any sources must be quoted and declared. Codes copy from the Internet will not be given any marks. Group members that do not contribute will get zero.**