ESHD: Assignment 2

1. Download BOM for SM32L475 Kit, find all sensors and modules for slide 6, download their data sheets, read it and decide what bus it uses and how many signal (control) lines need to be connected to the uC. For example, for U3 it will be I2C bus and IRQ line – total 3 signal lines, and so on. Show buses for sensors and for RF Modules on your Block Diagram.

2. Download, install and use for your reports the LibreOffice from LibreOffice.org - it is free. NO handwriting!

3. Create your Block Diagram in LibreOffice Draw, insert it into Ass. 2 Report (in LibreOffice Write), "Export" it as PDF file and submit Report in Canvas.

4. Download the latest stable **stable** version of KiCAD from http://kicad-pcb.org/download/ web site. Download Getting_started_in_kicad.pdf and eeschema.pdf from Lesson 2.

5. Create a new project: ../Project_XX, (XX – your initials) open the top schematic page and create 5 pages as shown on slide 16.

6. Create a fragment of Sensor page, containing two microphones and surrounding components. Assign properties to their symbols. Zip the Project_XX directory with all files in it into W2-Project_XX.7z (or W2-Project_XX.zip) file and attach the file to your report for W2.