# 11.04.2020

# CMSE443 Lab 3. Timers (weeks of 20.04.2020; due date 04.05.2020)

# Aim

To understand work of Win32 and Matlab timers, consider three samples: [Visual Studio 2012 sample, C++](https://staff.emu.edu.tr/alexanderchefranov/Documents/CMSE443/CMSE443%20Spring2020/LRTimer11042020.rar) , [DEV C++](https://staff.emu.edu.tr/alexanderchefranov/Documents/CMSE443/CMSE443%20Spring2020/LRTimer_example_Dev-C__.zip) sample, and [Matlab sample](https://staff.emu.edu.tr/alexanderchefranov/Documents/CMSE443/CMSE443%20Spring2020/timer11042020.m) illustrating the use of them.

Any C timer implementation can be used; two programs at least (C and Matlab)

## What to do?

Consider

1. How the timers are created and managed

2. What is the programs’ functionality

3. What are the inputs of the programs

# 3. Defense of the work

You are to show the sample programs running and give answers on the posed above questions. Your report should contain

1. Description of the programs functionality
2. Description of the parts of the programs
3. Description of the functions used in the programs to create and manage the timer
4. Snapshots of the programs’ outputs
5. Conclusion – brief summary of the work done
6. Sources of the program codes

Write the report as short as possible, but your ideas should be understandable for the reader (evaluator).

CD shall be provided with all lab related materials (report, sources, executables, etc.)

**Reports shall be prepared by teams**

Use MS Visual Studio Help, MSDN, other sources (e.g., available in Internet) for this Lab preparing.

**Grading policy: explanations (50%), report (50%). Due date for the report submission – 04.05.2020, Monday, 16.30.**