Topic:
4. The Mozzi library

Summary session:

This session will introduce the fourth lab of the module. The fourth lab of the module is about the Mozzi library. In this lab, you will learn where to find the Mozzi library and get familiar with the library by finding and reading relevant documentation.

WARM-UP ACTIVITY

Time: 5'

1. Revision of last week's blog posts.
2. Revision of last week's code.

BLOGGING

Time: 5' (setup), 110' (full activity)

1. **Write your fourth blog post at https://matd3039.our.dmu.ac.uk/**
   1. A good practice is to write a blog post during the whole lab session. This way, you can keep notes of the whole process, which can be useful for later.
   2. Start your fourth blog post of the module.
   3. Make sure to keep writing from the beginning to end of the lab session with key ideas and findings.

SOFTWARE/LIBRARIES

Time: 30'

1. Investigate what software/libraries are available for working with sound on Arduino.
2. If you find more than one, compare them. Advantages/disadvantages?

TUTORIAL MOZZI

Time: 30'

1. Go to: https://sensorium.github.io/Mozzi/
2. Read the text on the welcome webpage.
3. Reply these questions:
   1. What is Mozzi about?
   2. Listen to the audio examples. What is possible?
   3. What are the key features?
   4. What are the main functions in a Mozzi sketch?
   5. What are the most common weird behaviours?

CODE WITH MOZZI

Time: 15'

1. Go to: https://sensorium.github.io/Mozzi/learn/a-simple-sketch/
2. Summarise how this simple sketch works.

OUTPUT CIRCUITS WITH MOZZI

Time: 15'

1. Go to: https://sensorium.github.io/Mozzi/learn/output/
2. Summarise the output circuits presented in this page.

HOW TO INSTALL MOZZI ON ARDUINO IDE

Time: 15'

1. Go to: https://arduino.cc/en/Guide/Libraries
2. Summarise how to install Mozzi on the Arduino IDE.

BLOGGING

Time: 15'

1. **Complete your blog post.**