Submission Format

Submission contains files with necessary code and .docx file with the student's names and IDs, the results and explanations which has to be archived in .zip file with the following name:

lab<#>\_<IDnumber1>\_<IDnumber2>, where # is a lab number.

**Generative Deep Learning**

**Tasks to do Lab 6 – Lines and curves Generation**

1. Open the file Lab\_6\_0.JPYNB and read the code. Analyze each part of the code and the results.
2. Generate different curves (lines) for training. (*function generate\_data*)
3. Compile the model with generator.
4. Build the discriminator network.
5. Build the final GAN architecture. (*function build\_gan*)
6. Train the network for 500 epochs.
7. Display the obtained results.
8. Try to generate different curves (lines) for training. Build a similar model and repeat the process for generation 2 different types of curves (lines).