Guidelines for Scilab case study report

Guideline-1 : How to choose a topic

The problem should be solvable using Scilab. You may choose problems from IEEE papers, unsolved examples from standard textbooks or may come up with your own problem statement. Ensure that the chosen problem is not similar to the topics available in Completed Labs, Scilab tutorials or Spoken Tutorials. If you are unable to come up with your own problem, a brief list of sample topics to choose from is given below :

1. Audio Processing: Load and save audio files, analyze, identify pitch, change pitch, combine audio files, build an equalizer to filter the audio, noise identification and filtering, gui based control.

2. Scilab GUI based monitoring and control of a microcontroller based system

3. Image recognition, classification using Deep Neural Network or Image Processing

Guideline-2 : Rules to be followed while coding

1. Use .sce extension for main files

2. Use .sci extension for dependency (Required only when main program relies on some other program or function)

3. If the program requires more than one dependency file then the flow of their execution should be mentioned at the beginning of the main code.

4. The case study should be provided with a result file such as graphical output, image output, Scilab console output (you can attach a screenshot of the console).